A1542
1941-1948

A1542

1941/48

IGSL

STATISTICAL REPORTS

FISCAL YEARS

1941 - 1948

Public util. Water LA
" " Electricity "
" " Finance "

LOS ANGELES CITY-OWNED

DEPARTMENT OF WATER AND POWER

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F O R E W O R D

This Supplemental Report of the Los Angeles Department of Water and Power has been printed to furnish statistical data which was not included in the new type brochure Annual Report for the fiscal year ending June 30, 1947, and to provide statistical information for three fiscal years, 1941-42, 1942-43 and 1943-44, for which no Annual Reports were printed because of the war. Although statistics for 1944-45 and 1945-46 have been published, it was decided that the eight-year tables would provide a convenient comparative reference, particularly since the last prewar year is included.

SAMUEL B. MORRIS
General Manager and Chief Engineer

A 1542
1941/48

STATISTICAL DATA -- WATER SYSTEM

	1940-41	1941-42	1942-43	1943-44	1944-45	1945-46	1946-47	1947-48
A Q U E D U C T								
Rainfall (inches)								
Crooked Creek	12.48	8.89	11.13	7.13	11.90	10.45	10.65	4.49
Bishop	7.09	4.72	7.89	4.97	7.33	7.95	6.41	1.55
Independence	8.02	4.85	5.84	5.28	5.40	6.25	6.07	.98
Haiwee	15.35	4.91	9.67	10.03	4.45	10.54	9.17	2.20
Fairmount	29.13	9.98	22.74	24.24	12.77	17.96	14.44	9.02
Los Angeles	32.76	11.18	18.17	19.22	11.59	15.47	12.66	7.22
Mean Annual Flow								
Into Haiwee (sec. ft.)	326.0	408.0	393.0	411.0	422.0	421.0	470.0	447.0
Out of Haiwee (sec. ft.)	320.0	411.0	390.0	419.0	400.0	422.0	456.0	450.0
Out of Dry Canyon (sec. ft.)	274.0	336.0	368.0	378.0	378.0	396.0	418.0	418.0
Aqueduct Reservoir Storage (as of June 30)								
Grant Lake (acre ft.)	33,267	38,126	42,368	38,025	43,746	38,941	35,916	32,495
Long Valley (acre ft.)	36,656	99,732	138,050	138,050	142,965	182,775	113,781	103,049
Tinemaha (acre ft.)	5,346	0	4,199	53	5,780	0	676	311
Haiwee (acre ft.)	54,242	50,900	50,075	41,069	52,633	49,910	51,739	44,960
Fairmount (acre ft.)	6,653	6,765	6,879	6,621	6,828	6,414	6,127	6,828
Bouquet (acre ft.)	32,525	33,847	23,200	33,725	33,420	32,769	28,593	35,384
Dry Canyon (acre ft.)	446	487	461	472	472	461	477	456
Total (acre ft.)	169,135	247,486	265,232	258,015	285,844	311,270	237,309	223,483
Aqueduct in Operation								
% of time annually (See Chart)	58.5%	95.5%	81.5%	92.5%	90%	82%	91%	90%

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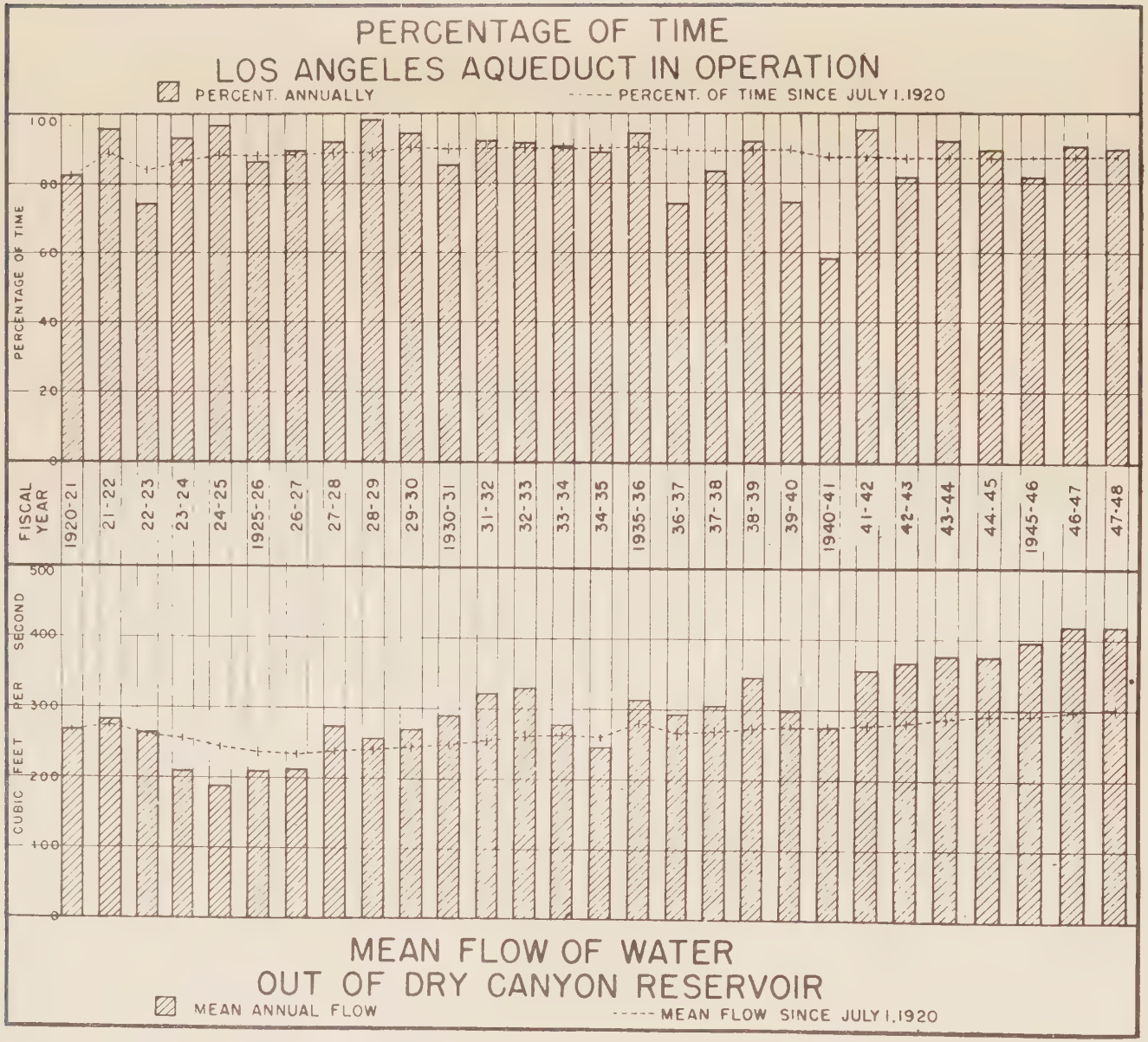
	1940-41	1941-42	1942-43	1943-44	1944-45	1945-46	1946-47	1947-48
D I S T R I B U T I O N								
Source								
L. A. Aqueduct (sec. ft.)	263.9	310.7	325.7	354.8	368.2	369.2	374.4	395.8
Local Supply (sec. ft.)	75.5	53.2	71.8	84.0	89.8	122.2	124.1	115.6
Metropolitan (sec. ft.)	.0	.4	.7	.2	.4	6.1	10.2	17.2
Total Supply (sec. ft.)	339.4	364.3	398.2	439.0	458.4	497.5	508.7	528.6
Consumption (metered) (sec. ft.)								
Residential	128.7	132.0	142.3	152.6	154.4	170.2	179.9	192.8
Commercial	88.9	92.5	101.2	114.4	128.3	134.5	141.8	145.6
Combination, Domestic and Irrigation	10.5	10.6	12.3	14.9	15.2	18.4	19.9	21.3
City Departments	11.3	10.7	10.7	11.2	9.6	9.0	9.2	10.1
Governmental	5.9	5.8	7.7	9.6	11.0	13.0	11.6	10.8
Industrial	5.8	6.1	7.3	12.6	12.6	17.4	18.3	9.8
Miscellaneous	0.5	0.5	.4	1.1	1.0	1.0	.7	1.1
Total Domestic, Commercial, etc.	251.6	258.2	281.9	316.4	332.1	363.5	381.4	391.5
Intermittent Irrigation	67.0	84.0	92.5	96.0	93.7	104.8	101.3	104.1
Total Consumption (metered)	318.6	342.2	374.4	412.4	425.8	468.3	482.7	495.6
**Water unaccounted for (sec. ft.)	20.8	22.1	23.8	26.5	32.6	29.3	26.0	33.0
Total supplied Distribution System	339.4	364.3	398.2	438.9	458.4	497.5	508.7	528.6
Population (Est.)	1,468,400	1,513,500	1,544,200	1,600,000	1,620,000	1,700,000	1,720,000	1,819,000
*Gallons per capita per day	119	120	128	139	146	149	153	151

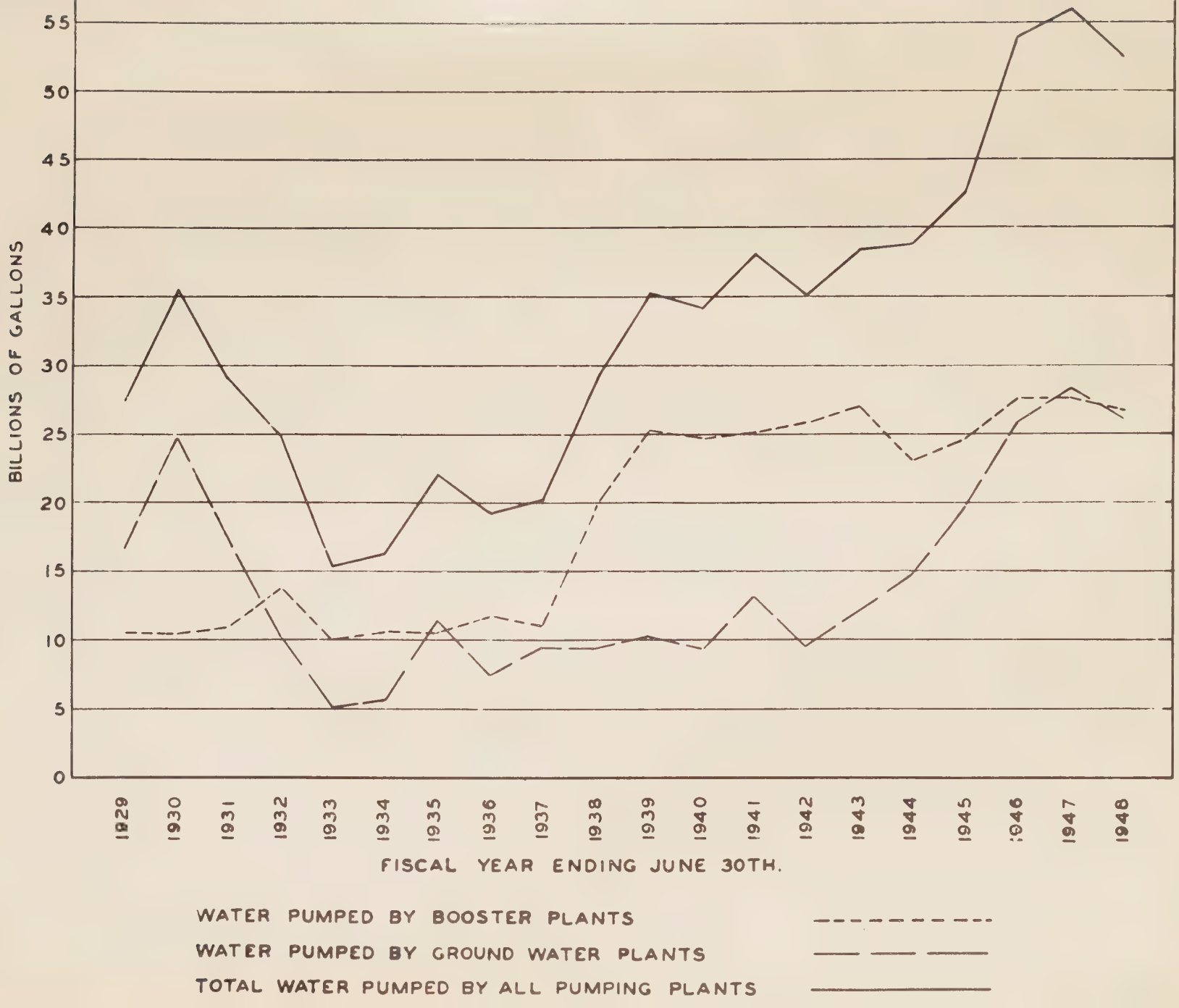
	1940-41	1941-42	1942-43	1943-44	1944-45	1945-46	1946-47	1947-48
Mains in System								
4" (ft.)	5,095,758	5,092,796	5,093,764	5,092,776	5,103,621	5,104,071	5,110,625	5,120,531
5"	4,673	4,673	4,673	4,673	4,673	4,673	6,430	6,653
6"	8,060,019	8,188,028	8,205,368	8,268,848	8,375,518	8,562,834	8,754,786	9,020,224
7"	904	904	904	904	904	904	1,604	1,604
8"	4,328,656	4,426,055	4,446,703	4,483,651	4,532,250	4,641,475	4,745,369	4,892,566
10"	251,118	251,118	250,653	250,641	250,517	250,485	250,485	250,461
12"	2,075,655	2,108,798	2,133,731	2,135,586	2,138,860	2,162,919	2,185,765	2,245,983
13"	673	673	673	673	673	673	673	673
14"	162,344	162,184	159,881	157,964	155,298	155,277	155,319	154,398
16"	365,411	370,771	377,021	377,240	376,565	376,782	376,782	374,926
18"	75,390	75,390	75,385	75,385	75,385	74,619	74,595	67,736
20"	212,579	212,763	213,161	213,161	212,081	210,551	211,011	217,103
22"	11,774	11,774	11,774	11,774	11,774	11,774	11,774	11,651
23"	980	980	980	980	980	980	980	980
24"	456,912	455,523	453,973	457,797	457,873	459,255	457,797	460,678
25"	6,394	6,394	6,394	6,394	6,394	6,394	6,394	6,394
27"	14,132	14,132	14,132	14,132	14,132	14,132	14,132	14,132
30"	225,211	226,647	226,487	224,435	227,483	227,493	224,274	224,274
31"	62,634	62,664	62,613	62,613	62,530	62,530	62,544	62,544
32"	4,850	4,850	4,850	4,850	4,850	4,850	4,850	4,850
33"	9,378	9,378	9,378	9,378	9,378	9,378	9,378	9,378
36"	295,871	298,562	298,511	297,246	309,332	309,340	309,459	309,459
38"	240	240	240	240	240	240	240	240
39"	21,041	21,041	21,041	21,041	20,843	20,843	20,270	20,270
40"	78,260	78,260	78,260	78,197	78,197	78,197	78,122	78,122
42"	19,101	19,231	19,231	19,231	19,231	19,231	19,231	19,231
44"	905	905	905	0	0	0	0	0
45"	13,564	13,564	13,564	13,564	13,564	13,564	13,564	13,564
48"	29,960	29,960	29,960	29,960	29,960	29,960	29,960	29,960
50"	7,888	7,888	7,888	7,888	7,888	7,888	7,888	7,888
51"	34,733	34,954	34,954	34,954	34,954	34,954	36,393	36,393
52"	42,151	42,151	42,151	42,151	42,151	42,151	42,151	42,151
54"	15,023	14,717	14,717	14,717	14,717	14,717	14,717	14,717
60"	66,896	66,675	68,375	68,375	68,375	68,375	68,388	68,388
62"	2,519	2,975	2,975	2,975	2,975	2,975	2,975	2,975

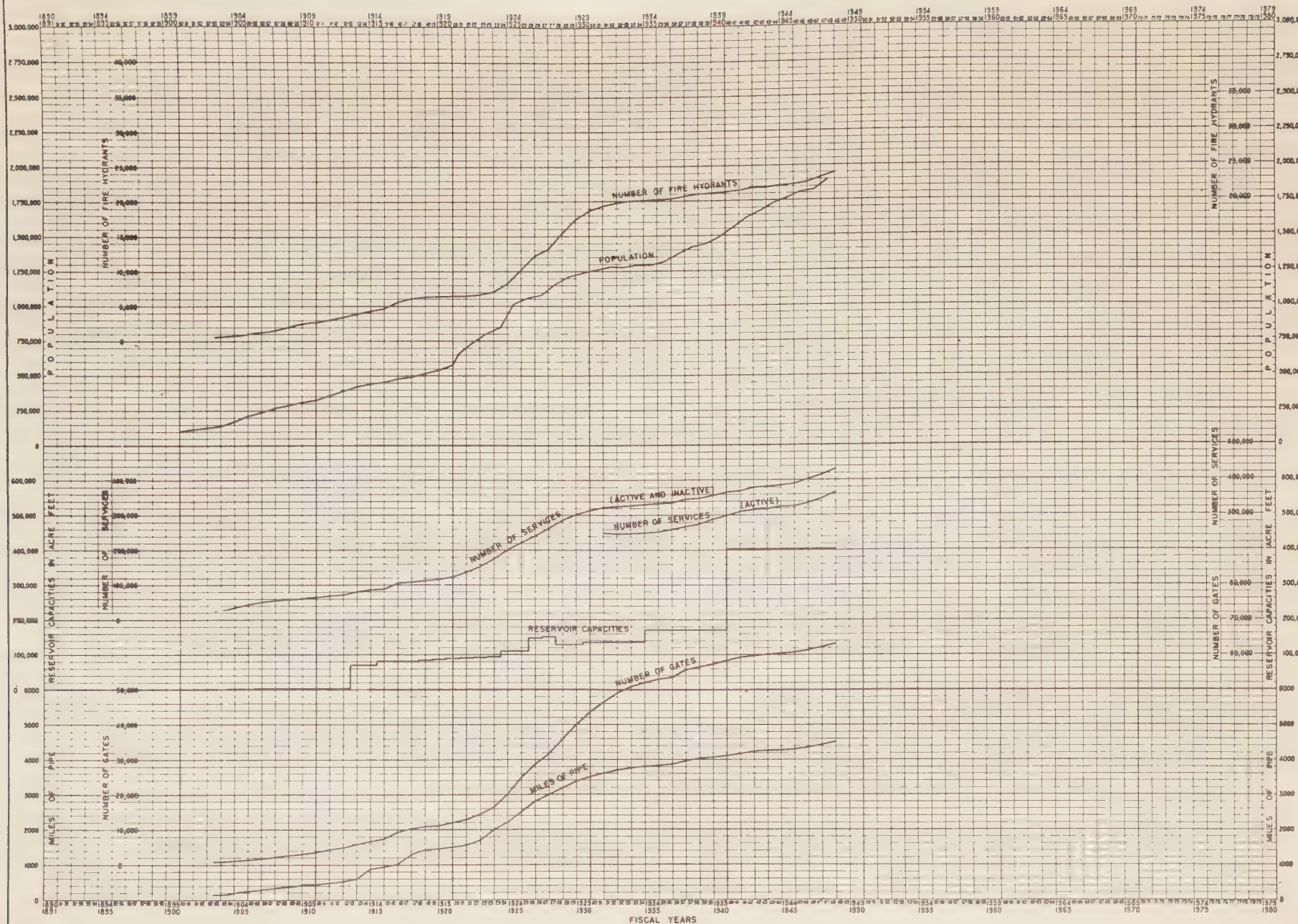
	1940-41	1941-42	1942-43	1943-44	1944-45	1945-46	1946-47	1947-48
Mains in System (continued)								
64" (ft.)	9,828	9,828	9,828	9,828	9,828	9,828	8,961	8,961
66"	15,870	15,870	15,870	15,870	15,870	15,870	15,870	15,870
68"	6,087	6,087	6,087	6,087	6,087	6,087	6,087	6,087
72"	34,391	34,391	34,391	34,301	34,391	34,391	34,391	34,391
78"	2,162	2,162	2,162	2,162	2,162	2,162	2,162	2,162
Total pipe in system all sizes (ft.)	22,121,935	22,385,956	22,453,608	22,552,732	22,732,514	23,052,822	23,376,396	23,859,151
Total pipe in system all sizes (miles)	4,189.760	4,239.764	4,252.577	4,271.350	4,305.400	4,366.064	4,427.3	4,518.8
Non metalic pipe (miles)	7.022	7.109	7.471	9.095	13.823	14.8	22.7	34.5
% Total Miles	.167%	.168%	.176%	.213%	.321%	.338%	.5%	.8%
Steel pipe (miles)	904.729	899.969	894.860	892.584	892.71	888.6	889.4	881.4
% Total Miles	21.594%	21.227%	21.043%	20.897%	20.735%	20.400%	20.1%	19.5%
Cast iron pipe (miles)	3,278.009	3,332.686	3,350.246	3,369.671	3,398.856	3,462.6	3,515.2	3,602.9
% Total Miles	78.239%	78.605%	78.781%	78.890%	78.944%	79.262%	79.4%	79.7%
Main Gates in System	59,279	59,887	60,086	60,331	60,697	61,361	62,077	63,199
Main Gates per mile pipe	14.149	14.125	14.129	14.125	14.098	14.052	14	14
Feet of Main per Gate	373.183	373.805	373.699	373.805	374.521	375.694	377.1	377.1
Fire Hydrants in system	21,490	21,802	21,882	22,071	22,299	22,673	23,283	23,970
Fire Hydrants per mile pipe	5.128	5.142	5.146	5.167	5.179	5.193	5.3	5.3
Feet of Main per hydrant	1,029.597	1,026.838	1,026.040	1,021.870	1,019.502	1,016.753	996.2	996.2
Active service in system	309,606	316,216	318,911	323,977	325,241	335,231	349,007	365,324

*Gallons per capita per day is based on total quantity of water supplied the distribution system less the irrigation.

**Water unaccounted for equals Distribution System supply (Venturi meter quantities) minus water sold by meters on consumers premises. This quantity represents the difference in accuracy between master flow meters (Venturi meter records) and consumers meters (House meters); the unmetered water used for street main flushing and fire protection; construction water used by the Department of Water and Power in laying water mains and conduit and unaccounted quantities lost in leakage of mains, reservoir seepage and evaporation.


PERCENTAGE OF TIME
LOS ANGELES AQUEDUCT IN OPERATION
PERCENT. ANNUALLY
PERCENT. OF TIME SINCE JULY 1, 1920
PERCENTAGE OF TIME
100
80
60
40
20
0
FISCAL YEAR
1920-21
21-22
22-23
23-24
24-25
1925-26
26-27
27-28
28-29
29-30
1930-31
31-32
32-33
33-34
34-35
1935-36
36-37
37-38
38-39
39-40
1940-41
41-42
42-43
43-44
44.45
1945-46
46-47
47-48
CUBIC FEET PER SECOND
500
400
300
200
100
0
MEAN FLOW OF WATER
OUT OF DRY CANYON RESERVOIR
MEAN ANNUAL FLOW
MEAN FLOW SINCE JULY 1, 1920


BILLIONS OF GALLONS
0
5
10
15
20
25
30
35
40
45
50
55
1929
1930
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940
1941
1942
1943
1944
1945
1946
1947
1948
FISCAL YEAR ENDING JUNE 30TH.
WATER PUMPED BY BOOSTER PLANTS
WATER PUMPED BY GROUND WATER PLANTS
TOTAL WATER PUMPED BY ALL PUMPING PLANTS



REVISIONS

REFERENCES

APPROVED

POPULATION, SERVICES, RESERVOIR CAPACITIES AND MILES OF PIPE

DEPARTMENT OF WATER AND POWER
WATER SYSTEM
CITY OF LOS ANGELES

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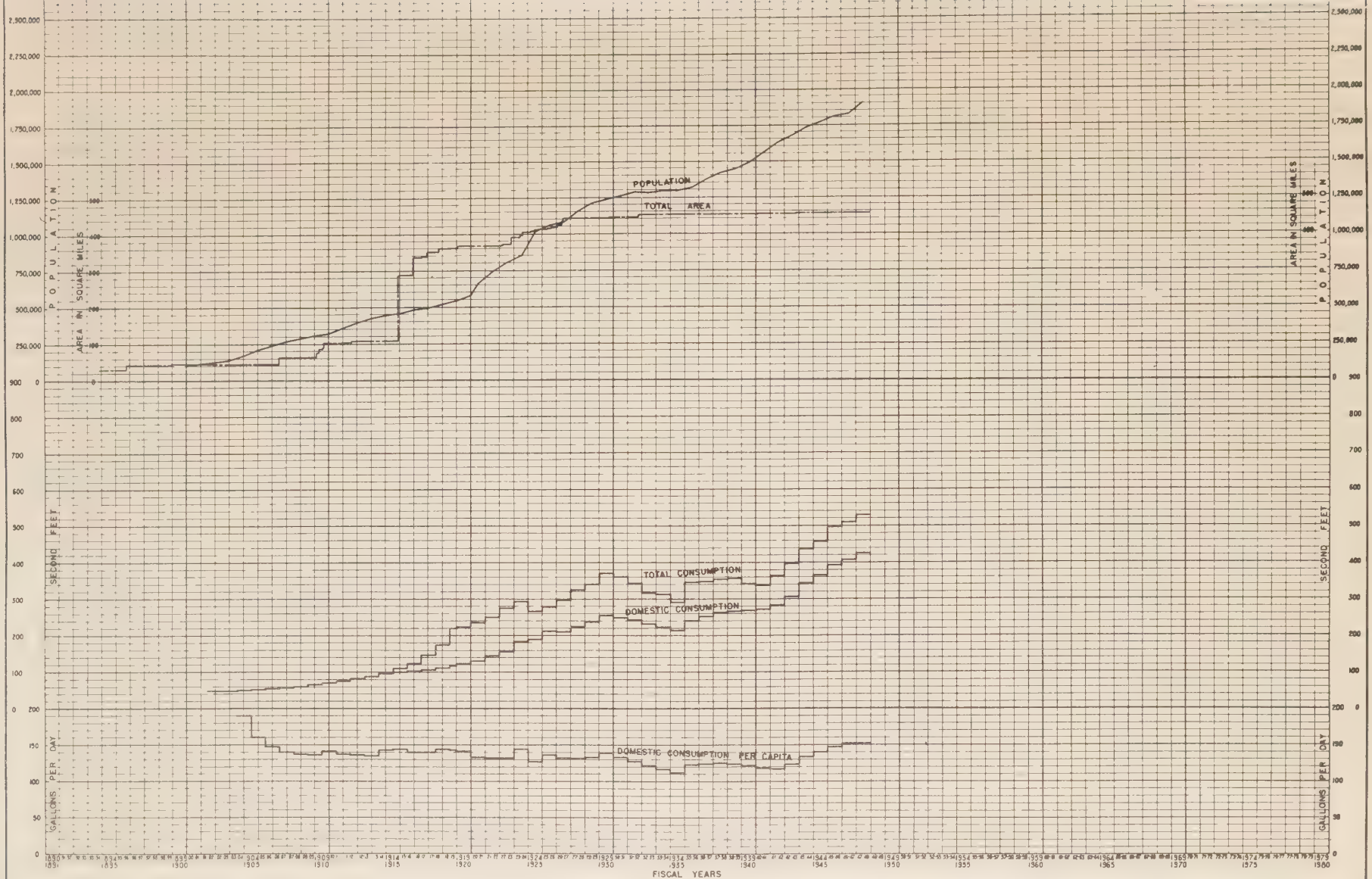


REVISIONS

REFERENCES

APPROVED

POPULATION, CONSUMPTION, AREA AND CONSUMPTION PER CAPITA

DEPARTMENT OF WATER AND POWER
WATER SYSTEM
CITY OF LOS ANGELES

E 287

GENERATING STATION STATISTICS

Department of Water and Power - Power System

(As of June 30 of Fiscal Year)

		1940-41	1941-42	1942-43	1943-44	1944-45	1945-46	1946-47	1947-48
HYDRO-ELECTRIC PLANTS									
Aqueduct (4 Plants)	No. of Units	11	11	11	11	11	11	11	11
	Rated capacity-Kw at 0.8 PF	107,725	107,725	107,725	107,725	107,725	107,725	107,725	107,725
	(1) Available to Power Syst.-Kw	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Hoover Dam	No. of Units	5	5	6	6	6	6	6	6
	Rated capacity-Kw at 1.0 PF	412,500	412,500	495,000	495,000	495,000	495,000	495,000	495,000
	(2) Available to Power Syst.-Kw	327,500	327,500	410,000	410,000	410,000	410,000	410,000	410,000
Owens Valley (6 Plants)	No. of Units	8	8	8	8	8	8	8	8
	Rated capacity-Kw at 0.8 PF	18,300	18,300	18,300	18,300	18,300	18,300	18,300	18,300
	(3) Available to Power Syst.-Kw	3,000	4,000	4,000	4,000	4,000	5,000	5,000	5,000
Total Hydro-Elec.Plants	No. of Units	24	24	25	25	25	25	25	25
	Rated capacity - Kw	538,525	538,525	621,025	621,025	621,025	621,025	621,025	621,025
	Available to Power Syst.-Kw	430,500	431,500	514,000	514,000	514,000	515,000	515,000	515,000
STEAM-ELECTRIC PLANTS									
Alameda	No. of Units	6	6	6	6	6	6	6	6
	Rated capacity-Kw at 0.8 PF	70,000	70,000	70,000	70,000	70,000	70,000	70,000	70,000
	(4) Available to Power Syst.-Kw	70,000	70,000	58,000	58,000	58,000	58,000	58,000	58,000
Seal Beach	No. of Units	2	2	2	2	2	2	2	2
	Rated capacity-Kw at 0.8 PF	65,000	65,000	65,000	65,000	65,000	65,000	65,000	65,000
	Available to Power Syst.-Kw	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000
Long Beach (Leased Unit)	No. of Units	1	1	1	1	1	1	1	-
	Rated capacity-Kw at 0.9 PF	50,000	50,000	50,000	50,000	50,000	50,000	50,000	-
	(5) Available to Power Syst.-Kw	60,000	60,000	60,000	60,000	60,000	60,000	60,000	-
Harbor	No. of Units	-	-	1	1	1	1	1	2
	Rated capacity-Kw at 0.8 PF	-	-	65,000	65,000	65,000	65,000	65,000	130,000
	Available to Power Syst.-Kw	-	-	65,000	65,000	65,000	65,000	65,000	130,000
Total Steam - Elec.Plants	No. of Units	9	9	10	10	10	10	10	10
	Rated capacity - Kw	185,000	185,000	250,000	250,000	250,000	250,000	250,000	265,000
	Available to Pwr. Syst.- Kw	205,000	205,000	258,000	258,000	258,000	258,000	258,000	263,000
TOTAL Generating Stations	No. of Units	33	33	35	35	35	35	35	35
	Rated capacity - Kw	723,525	723,525	871,025	871,025	871,025	871,025	871,025	886,025
	Available to Power Syst.-Kw	635,500	636,500	772,000	772,000	772,000	773,000	773,000	778,000

(1) Normal capability of plants.
(2) 85,000 Kw is reserved for U.S.B.R and special contractors.
(3) Capacity used by Power System for carrying Department load in Owens Valley.
(4) Normal capability with available boiler and transformer facilities.
(5) Lease terminated Nov. 2, 1947.

TRANSMISSION AND RECEIVING STATION SYSTEMS

Department of Water and Power - Power System

As of June 30 of Fiscal Year

		1940-41	1941-42	1942-43	1943-44	1944-45	1945-46	1946-47	1947-48
TRANSMISSION SYSTEM									
Overhead System:									
287.5 Kv - Hoover P.P.to RSB and RSE	Cir.Miles	790.49	790.49	790.59	790.59	790.59	790.59	790.59	790.59
115 Kv - Aqueduct Plants to RSE	" "	68.44	68.44	68.44	68.44	68.44	68.44	68.44	68.33
115 Kv - Seal Beach Plant to RSF	" "	47.14	47.14	47.14	47.14	47.14	47.14	47.14	47.14
100 Kv - Haiwee Plant to CEP Co.	" "	-	1.56	1.56	2.06	2.06	2.06	2.06	2.06
69 Kv - RSC to SCE Co.	" "	-	-	-	-	5.64	5.64	5.64	5.64
Total Overhead System		906.07	907.63	907.73	908.23	913.87	913.87	913.87	913.76
Underground System:									
138 Kv - Harbor Plant to RSC	" "	-	-	2.52	2.52	2.52	2.52	2.52	5.04
Total Transmission System		906.07	907.63	910.25	910.75	916.39	916.39	916.39	918.80
RECEIVING STATIONS									
Number of Stations		5	5	6	6	6	6	6	6
Total Transformer Capacity - Kva		780,000	780,000	930,000	930,000	930,000	928,750	928,750	930,000
BELT LINE SYSTEM									
(Interconnecting Receiving Stations)									
138 Kv Overhead Lines	Cir.Miles	37.80	37.80	64.32	64.32	64.32	64.32	71.54	71.54
138 Kv Underground Lines	" "	-	-	10.15	10.15	10.15	10.15	15.74	15.74
115 Kv Overhead Lines	" "	31.32	31.32	31.32	31.32	31.32	31.32	31.32	31.32
Total Belt Line System	" "	69.12	69.12	105.79	105.79	105.79	105.79	118.60	118.60
SUB-TRANSMISSION SYSTEM									
(Supplying Distributing and Other Stations)									
Overhead Lines:									
34.5 Kv - Los Angeles Area	Cir.Miles	684.61	692.87	668.42	658.80	660.65	664.96	678.19	682.09
34.5 Kv - Owens Valley Area	" "	-	188.91	188.31	188.31	188.31	188.31	213.99	201.96
34.5 Kv - Owens Valley Area(Customer owned)	" "	-	22.51	22.51	22.51	22.51	21.05	16.85	16.85
16.5 Kv - Los Angeles Area	" "	19.00	19.00	19.00	15.50	15.50	15.50	15.50	15.50
13.8 Kv - Los Angeles Area	" "	-	-	3.78	3.78	3.78	3.78	3.78	3.78
Total Overhead Lines	" "	703.61	923.29	902.02	888.90	890.75	893.60	928.31	920.18
Underground Lines:									
34.5 Kv - Los Angeles Area	" "	96.46	96.86	103.76	102.39	102.57	103.02	111.29	118.51
Total Sub-transmission System	" "	800.07	1,020.15	1,005.78	991.29	993.32	996.62	1,039.60	1,038.69

DISTRIBUTION SYSTEM STATISTICS

Department of Water and Power - Power System

(As of June 30 of Fiscal Year)

		1940-41	1941-42	1942-43	1943-44	1944-45	1945-46	1946-47	1947-48
DISTRIBUTING STATIONS									
34.5 Kv Attended	No.of Stations	41	42	42	42	42	41	41	41
	Kva	697,000	734,000	734,000	734,000	751,500	769,000	819,000	834,000
34.5 Kv Unattended	No.of Stations	30	41	41	41	40	44	45	49
	Kva	53,150	59,803	64,453	64,453	65,253	74,170	74,270	104,593
16.5,6.6 Kv Unattended	No.of Stations	1	2	2	2	2	2	2	1
	Kva	4,500	4,650	4,650	4,650	4,650	4,650	4,650	150
Total Distributing Stations	No.of Stations	72	85	85	85	84	87	88	91
	Kva	754,650	798,453	803,103	803,103	821,403	847,820	897,920	938,743
STATIONS ON CUSTOMERS' PREMISES									
138 Kv	No.of Stations	-	-	1	1	1	1	1	1
	Kva	-	-	37,500	37,500	37,500	37,500	37,500	37,500
138 Kv (Customer owned)	No.of Stations	-	-	1	1	-	-	-	-
	Kva	-	-	150,000	225,000	-	-	-	-
34.5 Kv	No.of Stations	111	143	146	173	198	206	237	277
	Kva	114,784	129,864	141,364	170,942	189,537	204,942	218,812	248,567
34.5 Kv (Customer owned)	No.of Stations	2	5	7	8	10	9	10	8
	Kva	23,450	46,300	68,750	70,850	76,970	69,470	62,720	50,300
16.5 Kv	No.of Stations	11	12	12	12	11	9	9	8
	Kva	1,060	1,100	1,105	1,265	1,350	1,025	1,025	725
4.8,4.15,2.4 Kv	No.of Stations	428	422	424	426	432	443	449	453
	Kva	173,315	172,599	174,256	176,129	179,117	184,556	196,729	215,687
Total Stations on Customers' Premises	No.of Stations	552	582	591	621	652	668	706	747
	Kva	312,609	349,863	572,975	681,686	484,474	497,493	516,786	552,779
LOW-VOLTAGE DISTRIBUTION SYSTEM									
Number of Primary Feeders		467	492	501	507	514	511	525	553
Overhead Lines:									
Los Angeles Area - Primary(4.8,4.15,2.4 Kv)	Cir.Miles	3,399.00	3,453.00	3,454.00	3,460.00	3,480.00	3,577.00	3,715.00	3,824.00
- Secondary(240 and 120 V)	" "	2,094.00	2,132.00	2,135.00	2,151.00	2,165.00	2,237.00	2,340.00	2,429.00
Owens Valley Area - Primary and Secondary	" "	-	126.74	124.00	124.00	124.00	123.50	127.15	127.70
Total Overhead Lines	" "	5,493.00	5,711.74	5,713.00	5,735.00	5,769.00	5,937.50	6,182.15	6,380.70
Underground Lines:									
Los Angeles Area - Primary(4.8,4.15,2.4 Kv)	" "	467.80	474.13	475.93	478.22	466.35	475.00	504.96	531.03
- Secondary(240 and 120 V)	" "	255.40	259.50	259.17	259.86	248.52	248.94	253.15	262.87
Total Underground Lines	" "	723.20	733.63	735.10	738.08	714.87	723.94	758.11	793.90
Total Low-voltage Distribution Lines	" "	6,216.20	6,445.37	6,448.10	6,473.08	6,483.87	6,661.44	6,940.26	7,174.60
Transformers (4.8,4.15,2.4 Kv)									
Number on System		41,855	42,994	43,074	43,351	43,786	44,950	46,233	47,833
Total Capacity - Kva		909,569	945,939	952,065	962,881	978,160	1,019,693	1,070,054	1,132,653
Meters on System		573,295	585,923	586,346	591,973	600,867	618,646	633,303	660,521
Street Lighting Units on System									
Utilitarian (Department owned)		17,056	17,452	17,452	17,521	17,677	17,822	18,090	18,407
Electrolier		72,967	71,539	70,613	72,179	72,805	73,096	73,140	72,217
Total		90,023	88,991	88,065	89,700	90,482	90,918	91,230	90,624

POWER EXECUTIVE DIVISION
Rate Engineering Section
AEW/MWB:ye 2-2-49

COMPARATIVE OPERATING STATISTICS FOR PAST NINE YEARS

Power System of Department of Water and Power of the City of Los Angeles

ENERGY AVAILABLE	1939-40	1940-41	1941-42	1942-43	1943-44	1944-45	1945-46	1946-47	1947-48
Energy Generated at Hoover Power Plant									
For City of Los Angeles at 287.5 kv	1,461,753,618	1,832,367,615	2,056,511,083	2,743,810,235	2,602,049,924	2,856,070,362	2,506,662,270	2,028,119,931	2,546,256,639*
For Government, Plant Use and Other Allottees	264,275,382	293,964,385	276,402,917	314,319,765	366,118,076	358,014,668	344,836,730	385,796,069	411,391,361
Total Gross Generation of Los Angeles Units at Hoover PP	1,726,029,000	2,126,332,000	2,332,914,000	3,058,130,000	2,968,168,000	3,214,085,030	2,851,499,000	2,413,916,000	2,957,648,000
Gross Generation of Aqueduct Hydro Plants below Fairmont Reservoir	246,676,300	221,049,200	287,565,600	299,989,400	310,208,500	304,486,900	331,689,100	355,024,500	363,697,000
Gross Generation of Owens Valley Hydro Plants**	8,301,000	9,746,000	13,116,300	63,770,000	106,826,100	98,300,500	91,193,800	101,866,500	107,926,600
Total Hydro Generation	1,981,006,300	2,357,127,200	2,633,595,900	3,421,889,400	3,385,202,600	3,616,872,430	3,274,381,900	2,870,807,000	3,429,271,600
Gross Generation of City-owned Steam Plants	37,088,000	48,641,000	48,992,000	63,759,000	434,351,600	106,953,000	143,396,800	746,812,000	639,473,100
Gross Generation of Leased Steam Plant	18,204,251	4,973,610	11,870,850	17,287,880	244,637,720	33,922,160	60,285,060	174,634,870	130,286,180
Total Gross Generation	2,036,298,551	2,410,741,810	2,694,458,750	3,502,936,280	4,064,191,920	3,757,747,590	3,478,063,760	3,792,253,870	4,199,030,880
From MWD Hoover Generators for Phoenix Utilities	-	-	-	-	-	-	2,683,894	58,159,912	86,896,017
From MWD Hoover Generators for Basic Magnesium Project	-	-	-	-	-	-	-	121,116,673	126,694,125
Purchased Energy - Total, as billed	66,487,253	4,912,020	4,723,819	4,099,692	73,872,082	27,827,269	14,905,136	24,736,631	16,074,640
Less Energy Purchased from Municipalities Included in Output of Hoover PP	-	-	-	-	21,509,435	8,138,000	2,727,000	11,280,024	1,827,600
Total Generated and Purchased	2,102,785,804	2,415,653,830	2,699,182,569	3,507,035,972	4,116,554,567	3,777,436,859	3,492,925,790	3,984,987,062	4,426,858,062
Interchange Energy Received	15,347,639	84,407,603	48,675,368	28,555,720	17,662,160	8,895,640	19,472,110	26,214,431	80,616,340
Total Available Energy	2,118,133,443	2,500,061,433	2,747,857,937	3,535,591,692	4,134,216,727	3,786,332,499	3,512,397,900	4,011,201,493	4,507,484,402
DISPOSITION OF AVAILABLE ENERGY									
Total Sales to Ultimate Consumers**	1,488,434,510	1,618,211,038	1,743,911,635	2,418,930,155	3,212,354,905	2,754,791,564	2,561,192,245	2,736,145,816	2,936,329,211
Distribution Losses & Selected Misc. System Uses**	170,234,947	172,521,808	213,216,289	190,005,426	241,914,580	219,795,811	218,291,771	281,303,569	327,130,814
Total Distribution by Los Angeles Elect. System	1,658,669,457	1,790,732,846	1,957,127,924	2,608,935,581	3,454,269,485	2,974,587,375	2,779,484,016	3,017,449,385	3,263,460,025
Delivered to Interconnected Municipalities	181,903,000	214,869,400	240,229,000	208,004,000	150,046,000	241,452,900	231,980,500	172,859,900	149,330,000
Delivered to Consumers of Other Utilities	18,493,762	18,457,512	19,891,686	20,229,536	22,873,339	24,712,003	25,821,563	28,191,151	24,849,753
Total Receiving Station Output	1,859,066,219	2,024,059,758	2,217,248,610	2,837,169,117	3,627,188,824	3,240,752,278	3,037,286,079	3,218,500,436	3,437,639,778
Station Service at Out-of-City Power Plants	8,212,206	18,906,370	28,132,787	30,985,836	44,921,342	33,907,838	35,449,777	37,029,885	36,379,322
Energy Delivered Directly from Hoover PP	83,789,437	90,821,370	98,991,500	113,101,000	160,766,000	137,698,140	145,912,800	177,031,807	207,860,100
Energy Delivered to Other Utilities at Transmission Voltages**	23,765,451	201,584,915	222,455,080	299,765,976	33,587,215	98,564,904	40,570,640	341,766,787	558,488,296
Transmission Losses	143,300,130	164,689,020	181,029,960	254,569,663	267,753,346	275,409,339	253,178,604	236,872,578	267,116,906
System Total	2,118,133,443	2,500,061,433	2,747,857,937	3,535,591,692	4,134,216,727	3,786,332,499	3,512,397,900	4,011,201,493	4,507,484,402

* Includes L.A. City's energy delivered to SCEC 230 kv bus.

** Power System took over all Owens Valley power plants and the Distribution System of the Water System July 1, 1941. Previous to this date all generation by plants other than Haiwee and Big Pine is considered as being generated by the Water System. All energy generated by Haiwee and Big Pine power plants and delivered to the Water System before July 1, 1941 for resale in the Owens Valley System is classified as "Energy Delivered to Other Utilities at Transmission Voltages". Energy supplied to the Water System by the Power System free for pumping, is included in "Distribution Losses and Selected Miscellaneous System Uses" whenever such delivery occurred, before or after July 1, 1941.

REPORT OF SYSTEM OPERATION FOR THE FISCAL YEAR 1947-48

Power System of Department of Water and Power - City of Los Angeles

Month	GROSS GENERATION - CITY OF LOS ANGELES UNITS AT HOOVER POWER PLANT					
	FOR CITY OF LOS ANGELES		FOR GOVERNMENT PLANT USE AND OTHER ALLOTEES		TOTAL	
	Kwh	Peak Kw	Kwh	Peak Kw	Kwh	Peak Kw
July 1947	135,205,839	374,700	25,295,161	63,500	160,501,000	418,000
Aug. "	149,989,588	422,200	27,282,412	61,000	177,272,000	469,000
Sept. "	146,461,954	433,900	25,751,046	66,000	172,213,000	484,000
Oct. "	179,683,758	508,700	27,868,242	74,500	207,552,000	571,000
Nov. "	216,055,121	514,900	44,452,879	83,500	260,508,000	571,000
Dec. "	256,186,329	508,000	43,114,671	75,000	299,301,000	565,000
Jan. 1948	253,998,028	509,800	43,404,972	73,100	297,403,000	558,000
Feb. "	238,519,250	505,500	39,286,750	81,800	277,806,000	561,000
Mar. "	215,501,739	501,700	79,503,261	80,800	295,005,000	558,000
Apr. "	246,370,233	503,500	40,687,767	75,800	287,058,000	551,000
May "	239,818,127	505,000	27,254,873	72,400	267,073,000	554,000
June "	226,343,473	494,900	29,612,527	58,100	255,956,000	550,000
Total	2,504,133,439	509,800	453,514,561	83,500	2,957,648,000	571,000

Month	GROSS GENERATION - CITY OWNED HYDRO PLANTS					
	San Francisquito P.P. No. 1	San Francisquito P. P. No. 2	San Fernando and Franklin Power Plants	Owens Valley Hydro Plants	Total	
	Kwh	Kwh	Kwh	Kwh	Kwh	Peak Kw
July 1947	19,710,500	10,475,000	5,211,000	11,933,400	47,329,900	102,000
Aug. "	19,548,000	10,477,000	5,179,000	11,156,700	46,360,700	101,000
Sept. "	17,875,000	9,249,000	4,781,000	10,717,100	42,622,100	101,000
Oct. "	16,783,000	8,482,000	4,778,000	8,987,300	39,030,300	76,000
Nov. "	15,284,500	7,651,000	4,209,000	7,625,200	34,769,700	102,000
Dec. "	13,835,000	6,746,000	4,417,000	7,899,900	32,897,900	104,000
Jan. 1948	13,478,500	6,587,000	4,024,000	7,333,200	31,422,700	104,000
Feb. "	16,774,500	8,994,000	4,507,000	7,198,600	37,474,100	101,000
Mar. "	18,416,000	10,385,000	4,776,000	9,446,100	43,023,100	107,000
Apr. "	12,905,000	7,119,000	3,932,000	7,261,300	31,217,300	104,000
May "	19,789,500	10,975,000	5,075,000	8,395,300	44,234,800	98,000
June "	17,317,500	9,298,000	4,653,000	9,972,500	41,241,000	126,000
Total	201,717,000	106,438,000	55,542,000	107,926,600	471,623,600	126,000

Month	GROSS GENERATION - STEAM POWER PLANTS				TOTAL GROSS GENERATION	
	City-Owned Steam Plants		Leased Steam Plants			
	Kwh	Peak Kw	Kwh	Peak Kw	Kwh	Peak Kw
July 1947	82,067,000	170,000	16,229,480	59,000	306,127,380	622,000
Aug. "	45,224,000	107,000	43,312,600	59,000	312,169,300	659,000
Sept. "	64,394,000	140,000	38,079,100	58,000	317,308,200	679,000
Oct. "	64,119,000	120,000	30,367,000	58,000	341,068,300	764,000
Nov. "	50,462,700	150,000	2,298,000	32,000	348,038,400	806,000
Dec. "	54,595,400	180,000	-	-	386,794,300	817,000
Jan. 1948	53,094,000	220,000	-	-	381,919,700	804,000
Feb. "	50,032,000	175,000	-	-	365,312,100	828,000
Mar. "	85,361,000	242,000	-	-	423,389,100	878,000
Apr. "	35,772,000	225,000	-	-	354,047,300	854,000
May "	27,100,000	180,000	-	-	338,407,800	736,000
June "	27,252,000	204,000	-	-	324,449,000	706,000
Total	639,473,100	242,000	130,286,180	59,000	4,199,030,880	878,000

Month	L. A. CITY DISTRIBUTION		ENERGY DELIVERED		TOTAL RECEIVING STATION OUTPUT	
			To Interconnected Municipalities	To Consumers of Other Utilities		
	Kwh	Peak Kw	Kwh	Kwh	Kwh	Peak Kw
July 1947	245,508,124	524,000	8,287,000	2,130,130	255,925,254	544,000
Aug. "	246,168,221	538,000	9,044,000	2,250,702	257,462,923	561,000
Sept. "	250,680,746	576,000	9,884,000	2,171,363	262,736,109	607,000
Oct. "	274,676,749	637,000	10,708,000	2,513,418	287,898,167	674,000
Nov. "	274,220,935	677,000	14,874,000	2,524,505	291,619,440	710,000
Dec. "	305,759,598	709,000	14,213,000	2,902,313	322,874,911	732,000
Jan. 1948	299,163,469	698,000	13,733,000	2,286,571	315,183,040	722,000
Feb. "	279,830,092	691,000	16,151,000	2,168,232	298,149,324	715,000
Mar. "	293,171,671	677,000	15,300,000	1,622,452	309,094,123	713,000
Apr. "	269,860,219	610,000	11,787,000	1,565,744	283,212,963	635,000
May "	263,034,121	594,000	13,882,000	1,362,079	278,278,200	636,000
June "	262,386,080	604,000	11,467,000	1,352,244	275,205,324	629,000
Total	3,263,460,025	709,000	149,330,000	24,849,753	3,437,639,778	732,000

REPORT OF SYSTEM OPERATION FOR THE FISCAL YEAR 1946-47

Power System of Department of Water and Power - City of Los Angeles

GROSS GENERATION - CITY OF LOS ANGELES UNITS AT BOULDER POWER PLANT

Month	FOR CITY OF LOS ANGELES		FOR GOVERNMENT PLANT USE AND OTHER ALLOTTEES		TOTAL	
	Kwh	Peak Kw	Kwh	Peak Kw	Kwh	Peak Kw
Jul. 1946	159,395,268	431,000	18,427,732	50,600	177,823,000	469,000
Aug. "	139,120,351	387,000	20,623,649	63,400	159,744,000	432,000
Sep. "	133,489,637	373,000	19,788,363	51,300	153,278,000	416,000
Oct. "	163,110,801	449,000	27,226,199	74,300	190,337,000	493,000
Nov. "	178,680,446	472,700	38,556,554	77,400	217,237,000	546,000
Dec. "	208,160,332	469,500	41,639,668	79,500	249,800,000	538,000
Jan. 1947	195,859,762	456,000	46,843,238	84,400	242,703,000	535,000
Feb. "	187,600,808	477,000	38,946,192	81,300	226,547,000	551,000
Mar. "	191,288,491	445,000	34,145,509	75,000	225,434,000	507,000
Apr. "	171,237,593	417,000	38,764,407	71,400	210,002,000	457,000
May "	173,860,836	435,000	34,065,164	65,000	207,926,000	493,000
Jun. "	126,315,606	394,000	26,769,394	60,200	153,085,000	443,000
Total	2,028,119,931	477,000	385,796,069	84,400	2,413,916,000	551,000

Month	GROSS GENERATION - CITY-OWNED HYDRO PLANTS				Total	
	San Francisquito P. P. No. 1 Kwh	San Francisquito P. P. No. 2 Kwh	San Fernando and Franklin Power Plants Kwh	Owens Valley Hydro Plants Kwh	Kwh	Peak Kw
Jul. 1946	19,803,000	10,179,000	5,157,000	9,629,800	44,768,800	102,000
Aug. "	19,593,900	10,027,000	5,153,000	8,829,000	43,602,900	82,000
Sep. "	18,883,100	9,732,000	4,991,000	8,640,400	42,246,500	95,000
Oct. "	16,916,700	9,508,000	4,957,000	7,774,300	39,156,000	98,000
Nov. "	9,744,800	4,334,000	3,351,000	7,231,200	24,661,000	94,000
Dec. "	10,967,500	5,031,000	3,327,000	7,751,400	27,076,900	101,000
Jan. 1947	15,155,000	7,560,000	3,820,000	5,701,200	32,236,200	100,000
Feb. "	12,794,000	6,288,000	3,604,000	5,646,000	28,332,000	101,000
Mar. "	16,713,000	8,798,000	4,555,000	7,150,700	37,216,700	112,000
Apr. "	19,185,000	9,981,000	4,981,000	10,318,100	44,465,100	108,000
May "	20,003,000	10,497,000	5,051,000	11,544,200	47,095,200	109,000
Jun. "	19,149,500	10,274,000	4,960,000	11,650,200	46,033,700	106,000
Total	198,908,500	102,209,000	53,907,000	101,866,500	456,891,000	112,000

Month	GROSS GENERATION - STEAM POWER PLANTS				TOTAL GROSS GENERATION	
	City-Owned Steam Plants		Leased Steam Plant			
	Kwh	Peak Kw	Kwh	Peak Kw	Kwh	Peak Kw
Jul. 1946	37,798,000	95,000	11,419,300	42,000	271,809,100	557,000
Aug. "	58,239,000	125,000	23,754,460	42,000	285,340,360	595,000
Sep. "	69,884,000	130,000	19,253,420	42,000	284,661,920	639,000
Oct. "	65,797,000	145,000	20,808,600	50,000	316,098,600	714,000
Nov. "	66,931,000	160,000	24,055,100	42,000	332,884,100	761,000
Dec. "	63,453,000	152,000	18,625,500	60,000	358,955,400	782,000
Jan. 1947	66,041,000	155,000	18,662,000	58,000	359,642,200	753,000
Feb. "	55,708,000	125,000	4,565,640	40,000	315,152,640	730,000
Mar. "	64,491,000	125,000	3,336,930	60,000	330,478,630	717,000
Apr. "	67,349,000	146,000	-	32,000	321,816,100	685,000
May "	56,914,000	140,000	750,900	54,000	312,686,100	670,000
Jun. "	74,207,000	153,000	29,403,020	50,000	302,728,720	637,000
Total	746,812,000	160,000	174,634,870	60,000	3,792,253,870	782,000

Month	L. A. CITY DISTRIBUTION		ENERGY DELIVERED		TOTAL RECEIVING STATION OUTPUT	
			To Interconnected Municipalities	To Consumers of Other Utilities		
	Kwh	Peak Kw	Kwh	Kwh	Kwh	Peak Kw
Jul. 1946	230,212,853	479,000	6,444,000	2,050,130	238,706,983	498,000
Aug. "	236,758,905	503,000	8,043,000	2,171,047	246,972,952	526,000
Sep. "	230,478,853	532,000	8,011,900	2,146,342	240,637,095	563,000
Oct. "	252,082,243	582,000	13,347,000	2,422,585	267,851,828	613,000
Nov. "	257,014,833	645,000	17,797,000	2,414,876	277,226,709	679,000
Dec. "	279,363,500	654,000	19,281,000	2,755,302	301,399,802	689,000
Jan. 1947	280,179,349	631,000	21,377,000	2,634,063	304,190,412	667,000
Feb. "	245,274,776	601,000	19,412,000	2,433,729	267,120,505	637,000
Mar. "	260,361,687	595,000	18,118,000	2,410,116	280,889,803	626,000
Apr. "	249,138,325	560,000	17,685,000	2,313,224	269,136,549	593,000
May "	253,033,820	551,000	12,593,000	2,243,581	267,870,401	592,000
Jun. "	243,550,241	535,000	10,751,000	2,196,156	251,497,397	569,000
Total	3,017,449,385	654,000	172,859,900	28,191,151	3,218,500,436	689,000

REPORT OF SYSTEM OPERATION FOR THE FISCAL YEAR 1945-46

Power System of Department of Water and Power - City of Los Angeles

GROSS GENERATION - CITY OF LOS ANGELES UNITS AT BOULDER POWER PLANT

Month	FOR CITY OF LOS ANGELES		FOR GOVERNMENT PLANT USE AND OTHER ALLOTTEES		TOTAL	
	Kwh	Peak Kw	Kwh	Peak Kw	Kwh	Peak Kw
Jul. 1945	199,600,523	495,000	26,395,477	62,300	225,996,000	548,000
Aug. "	170,463,502	468,000	24,762,498	57,200	195,226,000	510,000
Sep. "	184,942,627	459,000	24,161,373	62,000	209,104,000	517,000
Oct. "	229,018,665	485,000	26,186,335	66,000	255,205,000	547,000
Nov. "	221,564,028	493,000	35,555,972	72,000	257,120,000	559,000
Dec. "	242,858,252	500,000	40,749,748	77,000	283,608,000	568,000
Jan. 1946	248,898,577	483,000	41,731,423	82,000	290,630,000	551,000
Feb. "	220,296,911	470,000	28,608,089	79,000	248,905,000	537,000
Mar. "	230,358,335	461,000	28,803,665	76,000	259,162,000	523,000
Apr. "	211,100,454	462,000	26,637,546	69,000	237,738,000	529,000
May "	189,845,518	468,900	21,497,482	54,000	211,343,000	511,000
Jun. "	157,714,878	440,500	19,747,122	59,900	177,462,000	477,000
Total	2,506,662,270	500,000	344,836,730	82,000	2,851,499,000	568,000

GROSS GENERATION - CITY-OWNED HYDRO PLANTS

Month	San Francisquito P.P. No. 1 Kwh	San Francisquito P. P. No. 2 Kwh	San Fernando and Franklin Power Plants Kwh	Owens Valley Hydro Plants Kwh	Total Kwh	Total Peak Kw
Jul. 1945	19,695,100	10,127,000	5,061,000	11,384,800	46,267,900	100,000
Aug. "	20,089,500	10,879,000	5,094,000	9,653,400	45,715,900	81,000
Sep. "	18,207,500	10,204,000	4,648,000	10,990,800	44,050,300	75,000
Oct. "	12,030,400	5,983,000	2,347,000	5,642,900	26,003,300	77,000
Nov. "	13,180,600	6,560,000	2,789,000	5,952,600	28,482,200	104,000
Dec. "	12,062,500	5,938,000	3,413,000	6,697,200	28,110,700	102,000
Jan. 1946	9,171,300	4,536,000	2,847,000	5,582,300	22,136,600	102,000
Feb. "	15,754,200	8,085,000	4,076,000	4,760,100	32,675,300	101,000
Mar. "	16,933,500	8,947,000	3,853,000	6,198,800	35,932,300	106,000
Apr. "	13,505,100	6,723,000	2,978,000	7,132,700	30,338,800	102,000
May "	18,589,400	9,865,000	4,661,000	8,175,000	41,290,400	108,000
Jun. "	19,134,000	9,963,000	3,759,000	9,023,200	41,879,200	76,000
Total	188,353,100	97,810,000	45,526,000	91,193,800	422,882,900	108,000

GROSS GENERATION - STEAM POWER PLANTS

Month	City-Owned Steam Plants Kwh	City-Owned Steam Plants Peak Kw	Leased Steam Plant Kwh	Leased Steam Plant Peak Kw	TOTAL GROSS GENERATION Kwh	TOTAL GROSS GENERATION Peak Kw
Jul. 1945	4,267,000	30,000	2,789,920	4,000	279,320,820	628,000
Aug. "	22,906,000	106,000	5,527,800	115,000	269,375,700	588,000
Sept. "	5,122,000	70,000	2,476,200	4,000	260,752,500	574,000
Oct. "	10,958,800	75,000	2,167,420	3,000	294,334,520	675,000
Nov. "	9,435,000	85,000	2,755,500	4,000	297,792,700	717,000
Dec. "	13,104,000	95,000	2,844,900	4,000	327,667,600	740,000
Jan. 1946	15,211,000	85,000	2,735,500	4,000	330,713,100	725,000
Feb. "	11,361,000	85,000	2,546,600	4,000	295,487,900	719,000
Mar. "	12,973,000	132,000	3,396,470	108,000	311,463,770	679,000
Apr. "	10,357,000	83,000	1,540,100	3,000	279,973,900	619,000
May "	11,346,000	83,000	9,107,920	57,000	273,087,320	585,000
Jun. "	16,356,000	75,000	22,396,730	55,000	258,093,930	582,000
Total	143,396,800	132,000	60,285,060	115,000	3,478,063,760	740,000

Month	L. A. CITY DISTRIBUTION Kwh	L. A. CITY DISTRIBUTION Peak Kw	ENERGY DELIVERED: To Interconnected Municipalities Kwh	ENERGY DELIVERED: To Consumers of Other Utilities Kwh	TOTAL RECEIVING STATION OUTPUT Kwh	TOTAL RECEIVING STATION OUTPUT Peak Kw
Jul. 1945	228,668,229	469,000	12,318,800	1,902,892	242,889,921	505,000
Aug. "	227,845,817	464,000	11,365,700	1,962,950	241,174,467	495,000
Sep. "	211,859,329	468,000	12,519,000	1,837,572	226,215,901	502,000
Oct. "	233,317,749	545,000	23,744,000	2,107,870	259,169,619	609,000
Nov. "	230,607,644	574,000	26,176,000	2,075,538	258,859,182	637,000
Dec. "	250,603,111	601,000	27,845,000	2,425,861	280,873,972	660,000
Jan. 1946	253,323,470	581,000	28,948,000	2,372,485	284,643,955	645,000
Feb. "	228,118,218	567,000	26,208,000	2,304,171	256,630,389	631,000
Mar. "	241,331,870	556,000	27,757,000	2,358,813	271,447,683	628,000
Apr. "	229,489,255	523,000	16,494,000	2,212,497	248,195,752	554,000
May "	229,288,283	499,000	9,317,000	2,161,283	240,766,566	522,000
Jun. "	215,031,041	481,000	9,288,000	2,099,631	226,418,672	513,000
Total	2,779,484,016	601,000	231,980,500	25,821,563	3,037,286,079	660,000

REPORT OF SYSTEM OPERATION FOR THE FISCAL YEAR 1944-45

Power System of Department of Water and Power - City of Los Angeles

GROSS GENERATION - CITY OF LOS ANGELES UNITS AT BOULDER POWER PLANT

Month	FOR CITY OF LOS ANGELES Kwh	FOR CITY OF LOS ANGELES Peak Kw	FOR GOVERNMENT PLANT USE AND OTHER ALLOTTEES Kwh	FOR GOVERNMENT PLANT USE AND OTHER ALLOTTEES Peak Kw	TOTAL Kwh	TOTAL Peak Kw
Jul. 1944	241,647,263	474,000	23,020,737	52,000	264,668,000	508,000
Aug. "	234,448,968	476,000	28,139,032	58,000	262,588,000	522,000
Sep. "	201,524,875	479,000	25,484,125	61,000	227,009,000	531,000
Oct. "	246,964,809	482,000	26,186,191	59,000	273,151,000	525,000
Nov. "	244,660,780	483,000	36,841,220	70,000	281,502,000	536,000
Dec. "	247,347,967	470,000	41,413,033	71,000	288,761,000	532,000
Jan. 1945	258,849,156	488,000	40,299,874	72,000	299,149,030	550,000
Feb. "	236,493,663	501,000	30,647,337	77,000	267,141,000	565,000
Mar. "	262,629,248	497,000	32,562,752	71,000	295,192,000	562,000
Apr. "	227,757,607	489,000	22,771,393	70,000	250,529,000	547,000
May "	239,244,967	491,000	20,623,033	72,000	259,868,000	548,000
Jun. "	214,501,059	496,000	30,025,941	64,000	244,527,000	551,000
Total	2,856,070,362	501,000	358,014,668	77,000	3,214,085,030	565,000

GROSS GENERATION - CITY-OWNED HYDRO PLANTS

Month	San Francisquito P.P. No. 1 Kwh	San Francisquito P.P. No. 2 Kwh	San Fernando and Franklin Power Plants Kwh	Owens Valley Hydro Plants Kwh	Total Kwh	Total Peak Kw
Jul. 1944	19,177,400	9,800,000	4,945,000	11,768,900	45,691,300	103,000
Aug. "	19,436,600	9,820,000	5,162,000	11,950,100	46,368,700	103,000
Sep. "	18,918,200	9,475,000	4,917,000	10,260,800	43,571,000	88,000
Oct. "	16,038,500	7,741,000	2,699,000	7,169,700	33,648,200	100,000
Nov. "	8,538,100	3,558,000	2,858,000	7,266,900	22,221,000	98,000
Dec. "	7,272,500	2,716,000	2,591,000	5,008,100	17,587,600	89,000
Jan. 1945	9,586,700	3,976,000	2,999,000	4,496,900	21,058,600	89,000
Feb. "	9,970,200	4,499,000	3,102,000	4,589,100	22,160,300	93,000
Mar. "	11,266,800	5,123,000	3,630,000	5,140,800	25,160,600	97,000
Apr. "	15,745,000	7,745,000	4,040,000	6,814,200	34,344,200	99,000
May "	19,452,400	9,526,000	5,022,000	12,021,900	46,022,300	101,000
Jun. "	18,908,500	9,325,000	4,907,000	11,813,100	44,953,600	96,000
Total	174,310,900	83,304,000	46,872,000	98,300,500	402,787,400	103,000

Month	GROSS GENERATION - STEAM POWER PLANTS: City-Owned Steam Plants Kwh	City-Owned Steam Plants Peak Kw	Leased Steam Plant Kwh	Leased Steam Plant Peak Kw	TOTAL GROSS GENERATION Kwh	TOTAL GROSS GENERATION Peak Kw
Jul. 1944	16,901,000	80,000	8,811,100	55,000	336,071,400	641,000
Aug. "	12,922,000	95,000	4,490,150	55,000	326,368,850	630,000
Sep. "	8,406,000	70,000	1,899,530	5,000	280,885,530	615,000
Oct. "	8,813,000	66,000	1,698,840	4,000	317,311,040	634,000
Nov. "	9,268,000	45,000	2,071,000	5,000	315,062,000	642,000
Dec. "	11,521,000	70,000	2,672,100	20,000	320,541,700	635,000
Jan. 1945	11,030,000	50,000	2,768,000	10,000	334,005,630	650,000
Feb. "	7,983,000	75,000	2,416,300	4,000	299,700,600	682,000
Mar. "	5,621,000	35,000	2,553,600	4,000	328,527,200	664,000
Apr. "	4,618,000	30,000	1,896,790	3,000	291,387,990	634,000
May "	6,369,000	80,000	378,070	55,000	312,637,370	650,000
Jun "	3,501,000	65,000	2,266,680	10,000	295,248,280	649,000
Total	106,953,000	95,000	33,922,160	55,000	3,757,747,590	682,000

Month	L. A. CITY DISTRIBUTION Kwh	L. A. CITY DISTRIBUTION Peak Kw	ENERGY DELIVERED: To Interconnected Municipalities Kwh	To Consumers of Other Utilities Kwh	TOTAL RECEIVING STATION OUTPUT Kwh	TOTAL RECEIVING STATION OUTPUT Peak Kw
Jul. 1944	297,995,081	564,000	5,051,000	1,850,883	304,896,964	578,000
Aug. "	282,570,113	553,000	10,521,000	1,961,794	295,052,907	565,000
Sep. "	221,567,894	467,000	10,643,000	1,921,753	234,132,647	496,000
Oct. "	238,309,550	496,000	14,479,000	2,123,617	254,912,167	530,000
Nov. "	242,226,129	524,000	22,484,000	2,084,140	266,794,269	558,000
Dec. "	252,366,720	537,000	25,992,000	2,221,536	280,580,256	572,000
Jan. 1945	261,447,084	537,000	27,313,000	2,215,237	290,975,321	578,000
Feb. "	232,250,333	557,000	27,222,900	1,956,266	261,429,499	592,000
Mar. "	253,166,530	541,000	32,274,000	2,283,466	287,723,996	594,000
Apr. "	229,913,125	490,000	22,979,000	2,049,992	254,942,117	555,000
May "	235,014,240	497,000	25,806,000	2,109,913	262,930,153	545,000
Jun. "	227,760,576	500,000	16,688,000	1,933,406	246,381,982	542,000
Total	2,974,587,375	564,000	241,452,900	24,712,003	3,240,752,278	594,000

REPORT OF SYSTEM OPERATION FOR THE FISCAL YEAR 1943-44

Power System of Department of Water and Power - City of Los Angeles

GROSS GENERATION - CITY OF LOS ANGELES UNITS AT BOULDER POWER PLANT

Month	FOR CITY OF LOS ANGELES		FOR GOVERNMENT, PLANT USE AND OTHER ALLOTTEES		TOTAL	
	Kwh	Peak Kw	Kwh	Peak Kw	Kwh	Peak Kw
Jul. 1943	207,024,594	439,300	23,089,406	48,700	230,114,000	475,000
Aug. "	195,152,964	417,900	24,725,036	48,400	219,878,000	453,000
Sep. "	160,182,210	383,300	23,767,790	42,800	183,950,000	418,000
Oct. "	190,294,558	454,000	25,448,442	55,000	215,743,000	500,000
Nov. "	206,278,320	452,000	33,837,680	69,000	240,116,000	517,000
Dec. "	232,517,676	472,000	39,616,324	38,000	272,134,000	527,000
Jan. 1944	256,646,673	465,000	41,162,327	74,000	297,809,000	537,000
Feb. "	250,337,017	474,000	38,138,983	77,000	288,476,000	540,000
Mar. "	241,508,407	475,000	36,961,593	77,000	278,470,000	545,000
Apr. "	173,146,436	465,000	28,721,564	66,000	201,868,000	510,000
May "	243,346,285	481,000	28,695,715	59,000	272,042,000	525,000
Jun. "	245,614,784	497,000	21,953,216	48,000	267,568,000	525,000
Total	2,602,049,924	497,000	366,118,076	77,000	2,968,168,000	545,000

Month	GROSS GENERATION - CITY-OWNED HYDRO PLANTS					
	San Francisquito P.P. No. 1 Kwh	San Francisquito P.P. No. 2 Kwh	San Fernando and Franklin Power Plants Kwh	Owens Valley Hydro Plants Kwh	Total Kwh	Total Peak Kw
Jul. 1943	18,989,700	9,656,000	5,051,000	10,128,800	43,825,500	86,100
Aug. "	18,230,700	9,371,000	4,799,000	11,093,900	43,494,600	93,300
Sep. "	18,567,400	9,888,000	4,845,000	11,419,900	44,720,300	69,800
Oct. "	19,032,700	9,714,000	4,996,000	11,365,800	45,108,500	91,000
Nov. "	12,870,800	5,978,000	3,870,000	8,224,600	30,943,400	90,000
Dec. "	10,018,400	4,091,000	3,310,000	5,863,600	23,283,000	113,000
Jan. 1944	8,037,200	3,150,000	2,804,000	6,342,400	20,333,600	85,000
Feb. "	6,882,000	2,703,000	2,251,000	3,992,800	15,828,800	88,000
Mar. "	9,349,400	4,074,000	2,919,000	5,081,700	21,424,100	81,000
Apr. "	16,368,000	8,224,000	4,340,000	9,186,100	38,118,100	99,000
May "	19,168,900	9,841,000	4,997,000	12,157,400	46,164,300	97,000
Jun. "	18,088,300	9,036,000	4,697,000	11,969,100	43,790,400	108,000
Total	175,603,500	85,726,000	48,879,000	106,826,100	417,034,600	113,000

Month	GROSS GENERATION - STEAM POWER PLANTS				TOTAL GROSS GENERATION	
	City-Owned Steam Plants		Leased Steam Plant			
	Kwh	Peak kw	Kwh	Peak kw	Kwh	Peak Kw
Jul. 1943	10,256,000	56,000	8,752,220	55,000	292,947,720	542,500
Aug. "	5,206,000	60,000	17,546,000	50,000	286,124,600	525,800
Sep. "	32,180,000	65,000	35,860,420	55,000	296,710,720	575,700
Oct. "	41,462,000	85,000	20,075,850	55,000	322,389,350	613,000
Nov. "	52,286,000	138,000	24,879,310	50,000	348,224,710	680,000
Dec. "	50,320,600	102,000	31,899,150	55,000	377,636,750	726,000
Jan. 1944	40,792,000	92,000	21,750,570	50,000	380,685,170	713,000
Feb. "	33,405,000	115,000	23,085,900	50,000	360,795,700	693,000
Mar. "	48,610,000	120,000	18,782,000	50,000	367,286,100	695,000
Apr. "	74,792,000	115,000	31,284,580	50,000	346,062,680	646,000
May "	28,806,000	110,000	5,897,090	50,000	352,909,390	665,000
Jun. "	16,236,000	115,000	4,824,630	60,000	332,419,030	666,000
Total	434,351,600	138,000	244,637,720	60,000	4,064,191,920	726,000

Month	L. A. CITY DISTRIBUTION		ENERGY DELIVERED		TOTAL RECEIVING STATION OUTPUT	
			To Interconnected Municipalities	To Consumers of Other Utilities		
	Kwh	Peak kw	Kwh	Kwh	Kwh	Peak Kw
Jul. 1943	246,686,845	458,300	9,325,000	1,715,711	257,727,556	475,800
Aug. "	250,577,445	449,400	6,985,000	1,731,604	259,294,049	470,900
Sep. "	263,395,698	505,400	6,032,000	1,773,109	271,200,807	514,400
Oct. "	286,618,155	522,000	5,684,000	1,892,952	294,195,107	542,000
Nov. "	289,238,679	565,000	16,992,000	1,869,866	308,100,545	599,000
Dec. "	310,100,902	616,000	19,397,000	2,154,524	331,652,426	643,000
Jan. 1944	308,321,882	585,000	20,629,000	1,939,044	330,889,926	620,000
Feb. "	302,321,389	587,000	17,897,000	2,008,226	322,226,615	620,000
Mar. "	306,813,484	595,000	14,460,000	2,014,213	323,287,697	618,000
Apr. "	292,446,594	547,000	13,913,000	1,939,447	308,299,041	574,000
May "	303,623,618	567,000	12,169,000	1,937,055	317,729,673	593,000
Jun. "	294,124,794	564,000	6,563,000	1,897,588	302,585,382	597,000
Total	3,454,269,485	616,000	150,046,000	22,873,339	3,627,188,824	643,000

REPORT OF SYSTEM OPERATION FOR THE FISCAL YEAR 1942-1943

Power System of Department of Water and Power - City of Los Angeles

Month	FOR BUREAU OF POWER AND LIGHT		FOR GOVERNMENT, PLANT USE AND OTHER ALLOTTEES		TOTAL	
	Kwh	Peak Kw	Kwh	Peak Kw	Kwh	Peak Kw
Jul. 1942	191,351,322	423,400	22,508,678	63,400	213,860,000	480,000
Aug. "	212,137,358	437,000	21,603,642	57,100	233,741,000	480,000
Sep. "	217,093,794	440,600	20,828,206	54,600	237,922,000	489,000
Oct. "	246,629,830	451,000	29,248,170	56,900	275,878,000	497,000
Nov. "	243,182,565	452,300	34,616,435	65,200	277,799,000	509,000
Dec. "	271,259,649	453,800	37,571,351	67,100	308,831,000	515,000
Jan. 1943	258,913,065	472,600	35,025,935	70,700	293,939,000	528,000
Feb. "	219,849,130	469,900	19,012,870	64,300	238,862,000	526,000
Mar. "	248,762,257	472,200	24,733,743	64,700	273,496,000	524,000
Apr. "	215,399,404	462,100	24,188,596	55,200	239,588,000	500,000
May "	209,981,258	440,200	22,882,742	54,300	232,864,000	482,000
Jun. "	209,250,603	471,300	22,099,397	52,300	231,350,000	522,000
Total	2,743,810,235	472,600	314,319,765	70,700	3,058,130,000	528,000

Month	GROSS GENERATION - EP&L-OWNED HYDRO PLANTS					
	San Francisquito P.P. No. 1 Kwh	San Francisquito P.P. No. 2 Kwh	San Fernando and Franklin Power Plants Kwh	Owens Valley Hydro Plants Kwh	Total	
					Kwh	Peak Kw
Jul. 1942	18,511,400	10,205,000	5,034,000	2,158,600	35,909,000	91,900
Aug. "	18,040,800	10,000,000	5,007,000	5,636,700	38,684,500	91,900
Sep. "	17,792,300	9,728,000	4,809,000	5,225,800	37,555,100	100,600
Oct. "	12,841,400	6,714,000	3,962,000	7,177,300	30,694,700	97,700
Nov. "	10,337,600	5,238,000	3,351,000	5,923,800	24,850,400	98,000
Dec. "	11,471,000	5,866,000	3,548,000	3,259,300	24,244,300	97,400
Jan. 1943	8,991,100	4,412,000	2,894,000	2,856,900	19,154,000	92,100
Feb. "	8,645,000	3,927,000	2,840,000	3,394,200	18,806,200	93,000
Mar. "	8,362,900	3,569,000	2,614,000	4,388,300	18,934,200	73,300
Apr. "	14,671,600	7,206,000	4,198,000	5,802,000	31,877,600	96,300
May "	18,472,000	9,588,000	4,897,000	9,284,700	42,241,700	100,600
Jun. "	17,808,300	9,525,000	4,812,000	8,662,400	40,807,700	100,000
Total	165,945,400	85,978,000	48,066,000	63,770,000	363,759,400	100,600

Month	GROSS GENERATION - STEAM POWER PLANTS				TOTAL GROSS GENERATION	
	EP & L Steam Plants		Leased Steam Plant			
	Kwh	Peak Kw	Kwh	Peak Kw	Kwh	Peak Kw
Jul. 1942	5,095,000	43,000	1,609,410	13,000	256,473,410	554,900
Aug. "	4,316,000	45,000	1,396,590	2,000	278,138,090	563,400
Sep. "	4,505,000	44,000	1,341,820	2,000	281,323,920	580,700
Oct. "	4,657,000	46,000	1,463,280	2,000	312,692,980	594,200
Nov. "	4,821,000	45,000	1,396,700	2,000	308,867,100	605,000
Dec. "	5,287,000	45,000	1,602,050	3,000	339,964,350	610,200
Jan. 1943	6,297,000	52,500	1,535,150	15,000	320,925,150	607,100
Feb. "	5,923,000	45,000	1,143,210	10,000	264,734,410	576,800
Mar. "	6,930,000	56,500	1,844,330	3,000	301,204,530	581,100
Apr. "	3,546,000	45,000	2,206,660	4,000	277,218,260	589,300
May "	5,371,000	45,000	1,037,980	3,000	281,513,980	553,900
Jun. "	7,011,000	43,000	711,400	3,000	279,880,100	594,300
Total	63,759,000	56,500	17,287,880	15,000	3,502,936,280	610,200

Month	EP&L DISTRIBUTION		ENERGY DELIVERED		TOTAL RECEIVING STATION OUTPUT	
			To Interconnected Municipalities	To Consumers of Other Utilities		
	Kwh	Peak Kw	Kwh	Kwh	Kwh	Peak Kw
Jul. 1942	185,799,044	367,300	20,547,000	1,568,486	207,914,530	404,200
Aug. "	192,424,134	379,000	19,477,000	1,581,988	213,483,122	413,500
Sep. "	188,623,244	390,400	18,353,000	1,573,299	208,549,543	426,600
Oct. "	205,428,027	415,100	18,905,000	1,714,275	226,047,302	450,300
Nov. "	196,786,300	423,500	20,321,000	1,614,833	218,722,133	462,600
Dec. "	235,204,839	463,700	21,850,000	1,798,526	258,853,365	500,400
Jan. 1943	238,988,529	482,900	19,429,000	1,812,617	260,230,146	513,600
Feb. "	220,943,248	470,200	12,642,000	1,642,929	235,228,177	501,700
Mar. "	241,266,530	474,200	13,702,000	1,811,760	256,780,290	501,400
Apr. "	231,475,128	460,700	15,268,000	1,707,450	248,450,578	490,200
May "	236,317,146	457,300	14,843,000	1,696,986	252,857,132	489,000
Jun. "	235,679,412	457,200	12,667,000	1,706,487	250,052,899	490,900
Total	2,608,935,581	482,900	208,004,000	20,229,636	2,837,169,217	513,600

Power System of Department of Water and Power - City of Los Angeles

GROSS GENERATION - CITY OF LOS ANGELES UNITS AT BOULDER POWER PLANT

Month	FOR BUREAU OF POWER AND LIGHT		FOR GOVERNMENT, PLANT USE AND OTHER ALLOTTEES		TOTAL	
	Kwh	Peak kw	Kwh	Peak kw	Kwh	Peak kw
Jul. 1941	159,300,977	384,000	24,240,023	77,600	183,541,000	440,000
Aug. "	168,942,990	378,100	19,200,010	73,800	188,143,000	441,000
Sep. "	160,729,075	389,900	33,820,925	93,000	194,550,000	453,000
Oct. "	200,920,300	402,400	20,089,700	73,900	221,010,000	457,000
Nov. "	183,968,312	393,400	20,539,688	84,600	204,508,000	452,000
Dec. "	180,717,274	405,200	25,323,726	82,600	206,041,000	453,000
Jan. 1942	172,269,885	376,600	23,796,115	77,600	196,066,000	434,000
Feb. "	156,873,060	378,200	21,091,940	82,600	177,965,000	435,000
Mar. "	178,967,799	398,600	23,072,201	76,600	202,040,000	430,000
Apr. "	161,693,160	389,000	21,572,840	72,600	183,266,000	438,000
May "	165,678,322	415,300	22,276,678	69,600	187,955,000	466,000
Jun. "	166,449,929	418,400	21,379,071	68,600	187,829,000	472,000
Total	2,056,511,083	418,400	276,402,917	93,000	2,332,914,000	472,000

GROSS GENERATION - AQUEDUCT HYDRO PLANTS

Month	San Francisquito P.P. No. 1	San Francisquito P.P. No. 2	San Fernando P.P.No.3	Franklin P.P.No.5	Total	
	Kwh	Kwh	Kwh	Kwh	Kwh	Peak kw
Jul. 1941	18,340,000	10,072,000	3,681,000	814,000	32,907,000	87,200
Aug. "	18,171,300	10,081,000	4,197,000	731,000	33,180,300	68,300
Sep. "	13,506,500	7,371,000	3,387,000	632,000	24,896,500	84,900
Oct. "	9,676,700	5,152,000	2,563,000	665,000	18,056,700	85,500
Nov. "	6,593,200	3,027,000	2,083,000	667,000	12,370,200	90,300
Dec. "	9,698,100	4,757,000	2,207,000	638,000	17,300,100	95,300
Jan. 1942	10,799,600	5,688,000	2,091,000	648,000	19,226,600	89,200
Feb. "	11,071,100	6,016,000	2,156,000	579,000	19,822,100	90,200
Mar. "	12,438,500	7,390,000	2,430,000	630,000	22,888,500	86,600
Apr. "	13,419,500	6,823,000	3,597,000	637,000	24,476,500	77,700
May "	16,075,100	8,872,000	3,908,000	682,000	29,537,100	84,600
Jun. "	18,117,000	10,052,000	4,044,000	691,000	32,904,000	88,800
Total	157,906,600	85,301,000	36,344,000	8,014,000	287,565,600	95,300

GROSS GENERATION - STEAM POWER PLANTS

Month	HP & L Steam Plants		Leased Steam Plant		TOTAL GROSS GENERATION	
	Kwh	Peak kw	Kwh	Peak kw	Kwh	Peak kw
Jul. 1941	4,594,000	20,000	57,960	3,000	221,099,960	500,800
Aug. "	3,368,000	15,000	490,170	7,000	225,181,470	510,900
Sep. "	3,574,000	40,000	651,090	3,000	223,671,590	541,900
Oct. "	4,551,000	70,000	747,450	40,000	244,365,150	560,300
Nov. "	4,655,000	35,000	435,720	3,000	221,968,920	564,300
Dec. "	5,379,000	53,000	1,505,680	5,000	230,225,780	563,300
Jan. 1942	4,919,000	25,000	1,878,780	3,000	222,090,380	541,800
Feb. "	3,308,000	20,000	1,443,400	3,000	202,538,500	520,400
Mar. "	3,378,000	10,000	1,702,470	3,000	230,008,970	511,400
Apr. "	5,199,000	39,500	288,230	3,000	213,229,730	514,500
May "	3,331,000	45,000	1,204,050	3,000	222,027,150	528,600
Jun. "	2,736,000	10,000	1,465,850	25,000	224,934,850	524,400
Total	48,992,000	70,000	11,870,850	40,000	2,681,342,450	564,300

Month	HP & L 34.5 KV DISTRIBUTION		ENERGY DELIVERED		TOTAL RECEIVING STATION OUTPUT AT 34.5 KV	
			To Interconnected Municipalities	To Consumers of Other Utilities		
	Kwh	Peak kw	Kwh	Kwh	Kwh	Peak kw
Jul. 1941	152,888,673	351,600	20,594,000	1,514,283	174,996,956	396,200
Aug. "	155,665,029	362,600	23,379,000	1,587,538	180,631,567	416,200
Sep. "	155,161,702	394,000	23,266,000	1,570,996	179,998,698	452,900
Oct. "	169,893,860	428,800	19,516,000	1,738,480	191,148,340	473,800
Nov. "	162,956,552	440,800	18,674,000	1,704,451	183,335,003	485,300
Dec. "	178,771,191	451,700	20,443,000	1,887,891	201,102,082	496,800
Jan. 1942	174,099,038	441,600	19,983,000	1,886,094	195,968,132	487,800
Feb. "	153,905,105	412,300	18,172,000	1,658,764	173,735,869	459,000
Mar. "	163,768,496	365,400	19,239,000	1,678,102	184,685,598	405,900
Apr. "	159,132,695	357,500	18,357,000	1,617,506	179,107,201	403,000
May "	158,592,902	344,800	19,145,000	1,531,954	179,269,856	377,300
Jun. "	159,145,936	337,600	19,461,000	1,515,627	180,122,563	380,300
Total	1,943,981,179	451,700	240,229,000	19,891,686	2,204,101,865	496,800

Note:- Production and disposal of energy from plants in Owens Valley is not included in this Exhibit.

REPORT OF SYSTEM OPERATION FOR THE FISCAL YEAR 1940-1941

Power System of Department of Water and Power - City of Los Angeles

GROSS GENERATION - CITY OF LOS ANGELES UNITS AT BOULDER POWER PLANT

Month	FOR BUREAU OF POWER AND LIGHT		FOR GOVERNMENT, PLANT USE AND OTHER ALLOTTEES		TOTAL	
	kwh	Peak kw	kwh	Peak kw	kwh	Peak kw
Jul. 1940	118,744,995	323,700	24,913,005	57,800	143,658,000	371,000
Aug. "	120,393,021	317,900	25,365,979	66,800	145,759,000	371,000
Sep. "	124,789,173	324,800	24,355,827	67,300	149,145,000	378,000
Oct. "	153,698,026	373,100	26,492,974	73,700	180,191,000	432,000
Nov. "	142,795,842	369,900	27,234,158	77,000	170,030,000	429,000
Dec. "	175,189,586	389,900	29,443,414	81,200	204,633,000	447,000
Jan. 1941	176,776,997	373,600	29,899,003	70,600	206,676,000	439,000
Feb. "	168,578,511	375,500	13,422,489	71,300	182,001,000	436,000
Mar. "	173,364,626	381,400	27,022,374	72,100	200,387,000	439,000
Apr. "	169,788,950	381,800	14,411,050	68,200	184,200,000	438,000
May "	174,470,120	387,300	10,944,880	64,100	185,415,000	431,000
Jun. "	133,777,768	372,800	40,459,232	68,100	174,237,000	434,000
Total	1,832,367,615	389,900	293,964,385	81,200	2,126,332,000	447,000

Month	GROSS GENERATION - AQUEDUCT HYDRO PLANTS					
	San Francisquito P.P. No. 1	San Francisquito P.P. No. 2	San Fernando P.P.No.3	Franklin P.P.No.5	Total	
	kwh	kwh	kwh	kwh	kwh	Peak kw
Jul. 1940	17,281,700	10,565,000	4,154,000	839,000	32,839,700	88,100
Aug. "	16,361,500	9,816,000	3,998,000	856,000	31,031,500	92,900
Sep. "	13,673,700	7,968,000	3,359,000	778,000	25,778,700	83,100
Oct. "	9,414,700	5,165,000	106,000	853,000	15,538,700	75,000
Nov. "	8,023,000	4,648,000	-	677,000	13,348,000	67,000
Dec. "	7,410,300	3,970,000	-	638,000	12,018,300	67,000
Jan. 1941	7,223,400	4,204,000	-	628,000	12,055,400	94,000
Feb. "	7,796,000	4,693,000	-	643,000	13,132,000	92,000
Mar. "	-	-	-	649,000	649,000	2,000
Apr. "	7,523,600	4,166,000	3,000	768,000	12,460,600	90,000
May "	15,799,900	8,539,000	428,000	820,000	25,586,900	73,200
Jun. "	16,614,400	9,278,000	-	718,000	26,610,400	58,000
Total	127,122,200	73,012,000	12,048,000	8,867,000	221,049,200	94,000

Month	GROSS GENERATION - STEAM POWER PLANTS				TOTAL GROSS GENERATION	
	BP & L Steam Plants		Leased Steam Plant			
	kwh	Peak kw	kwh	Peak kw	kwh	Peak kw
Jul. 1940	762,000	8,000	337,390	1,100	177,597,090	453,100
Aug. "	1,888,000	25,000	475,260	10,000	179,153,760	463,100
Sep. "	3,489,000	15,000	481,430	3,000	178,894,130	448,100
Oct. "	3,488,000	10,000	586,510	3,000	199,804,210	504,000
Nov. "	3,917,000	25,000	526,150	25,000	187,821,150	500,000
Dec. "	5,910,000	70,000	465,250	8,000	223,026,550	529,000
Jan. 1941	4,447,000	23,000	315,440	6,000	223,493,840	537,000
Feb. "	6,428,000	30,000	304,760	9,000	201,865,760	508,000
Mar. "	8,255,000	39,500	315,330	3,500	209,606,330	467,500
Apr. "	5,012,000	20,000	345,880	3,000	202,018,480	493,000
May "	2,657,000	23,000	322,300	3,000	213,981,200	494,000
Jun. "	2,388,000	10,000	497,910	3,000	203,733,310	500,000
Total	48,641,000	70,000	4,973,610	25,000	2,400,995,810	537,000

Month	BP & L 34.5 KV DISTRIBUTION		ENERGY DELIVERED		TOTAL RECEIVING STATION OUTPUT AT 34.5 KV	
			To Interconnected Municipalities	To Consumers of Other Utilities		
	kwh	Peak kw	kwh	kwh	kwh	Peak kw
Jul. 1940	136,968,566	323,600	17,107,000	1,555,228	155,630,794	363,500
Aug. "	140,627,514	333,600	17,150,000	1,495,853	159,273,367	376,200
Sep. "	137,916,097	357,400	17,251,000	1,528,619	156,695,716	398,100
Oct. "	152,674,972	391,400	17,705,400	1,658,949	172,039,321	424,000
Nov. "	148,440,224	408,700	17,775,000	1,497,526	167,712,750	444,800
Dec. "	162,446,108	431,100	19,422,000	1,647,321	183,515,429	469,700
Jan. 1941	161,602,282	410,900	19,986,000	1,613,000	183,201,282	448,700
Feb. "	146,371,942	398,600	17,355,000	1,466,427	165,193,369	435,500
Mar. "	154,758,090	383,200	17,086,000	1,500,273	173,344,363	417,100
Apr. "	149,503,264	376,000	15,052,000	1,470,221	166,025,485	413,600
May "	150,263,836	357,500	17,960,000	1,523,996	169,747,832	399,800
Jun. "	146,120,332	351,600	21,020,000	1,500,099	168,640,431	402,400
Total	1,787,693,227	431,100	214,869,400	18,457,512	2,021,020,139	469,700

Note:- Production and disposal of energy from plants in Owens Valley is not included in this Exhibit.

ELECTRIC SYSTEM EQUIPMENT
MAINTENANCE TABULATION

	1940-41	1941-42	1942-43	1943-44	1944-45	1945-46	1946-47	1947-48
High Voltage Insulators Cleaned	667,436	677,574	592,065	702,171	670,466	691,206	822,788	857,569
Defective Insulators Detected and Removed	187	446	1,386	166	486	380	509	306
Insulators Replaced due to Flashovers	244	237	176	306	260	124	650	541
Miles Traveled Patrolling & Maint. Telephone Lines	21,826	21,732	8,836	11,594	15,266	20,531	19,442	20,338
" " " " " 287,138,115 & 34.5KV	401,647	745,492*	569,333*	440,944	486,360	510,107	612,213	593,442
Steel Towers Inspected and Checked	1,558	1,986	2,494	4,397	2,635	2,557	2,631	2,967
Pole Top Switches Inspected	434	340	368	614	284	149	402	459
Pole Top Switch Operations	8,939	7,730	6,283	6,079	6,363	6,759	6,085	6,417
Kites Removed from Hi-tension Lines & Feeders	250	505	235	213	157	505	508	378
Industrial & Coml. Stations Inspected & Checked	550	575	597	619	652	658	706	747
Commercial Stations Inspected & Cleaned Semiannually	426	425	430	424	432	433	449	453
Industrial Stations Inspected Every Two Months	124	150	167	195	220	225	257	294
Oil Circuit Breakers Inspected & Checked	1,507	1,273	1,928	1,533	1,696	1,864	1,868-	2,194
" " " Overhauled because of Relay Action	26	N.A.	17	32	12	14	19	35
" " " Regular Overhaul	1,188	671	808	1,124	1,070	933	1,167	711
" " " Completely Rebult	108	10	0	0	11	2	11	1
Oil Circuit Breaker Pallet Switches Inspected	874	1,267	1,122	959	1,180	1,252	1,299	1,242
Insulation Oil Tests on Station Equipment	3,992	2,597	1,373	2,902	2,578	3,182	2,783	1,098
Relays Tested and Repaired	5,964	8,142	7,548	6,614	7,303	9,299	7,974	11,352
Feeder Regulators Replaced for Rebuild	4	26	0	0	0	0	0	0
Automotic Relay Operations	802	690	1,097	943	769	981	809	760
Water Wheel Needles & Nozzles Replaced	1	4	16	3	1	5	3	0
Clearances Issued by Load Dispatcher(El. & Hydr.)	24,048	23,514	21,431	22,473	22,420	22,487	21,898	23,194
Emergency Calls Answered by Trouble Dispat.	163,619	172,737	134,942	140,865	142,740	156,667	175,882	185,210
" " " " Line Patrol Sect.	646	907	894	1,316	488	464	500	329
" " " " Stat. Maint. Sect.	849	832	740	807	979	1,175	1,494	1,637
Station Roofs Inspected and Repaired	86	79	78	106	135	65	121	116

* Includes abnormal amounts of patrolling related to National Defense; 310,524 miles in 1941-42 and 312,644 miles in 1942-43.

AEW-GS 3-15-49

MAJOR COMMODITIES ISSUED FROM STORES

General Plant Division

	1940-41	1941-42	1942-43	1943-44	1944-45	1945-46	1946-47	1947-48
Transformers	3,786	2,490	1,645	969	1,287	2,344	2,563	3,372
Poles	9,714	8,630	3,608	3,820	3,919	5,936	8,948	9,550
Electric meters	26,291	15,676	3,380	7,081	10,333	19,850	22,249	52,608
Insulators	251,415	165,421	91,918	55,736	71,959	105,178	102,402	189,709
Crossarms	63,942	42,853	20,540	17,801	22,205	32,146	43,872	55,129
Lead-covered cable,(ft.)	1,129,356	870,556	634,270	276,870	167,765	387,381	729,883	1,123,927
Bare and weather proof copper wire, (lb.)	2,847,300	1,863,241	942,277	573,039	705,244	1,072,467	1,745,332	2,486,854
Other type copper wire (ft.)	1,338,418	1,335,911	633,289	336,600	265,305	637,441	728,088	2,937,072
Tabulating cards	19,119,514	21,050,000	20,186,000	13,744,000	16,382,000	22,938,000	19,228,000	24,009,000
Customers' bills	11,297,166	12,471,400	12,077,945	7,614,037	5,669,450	7,124,880	7,302,520	7,748,748
Postcards & envelopes	10,203,368	10,915,000	9,812,871	5,387,405	2,842,112	3,950,332	2,385,180	2,455,690
Lamps, (value)	$ 97,000	$100,729	$ 79,040	$ 84,000	$104,550	$140,110	$150,983	$163,090
Canned goods & staples (lb.)	32,000	8,820	23,000	6,200	4,769	7,392	-	-
Perishable food, (lb)	62,000	23,355	51,000	24,400	29,780	33,864	-	-

POWER EXECUTIVE DIVISION
Rate Engineering Section
AEW:az 3-28-49

MAINTENANCE, REPAIR AND SERVICE OPERATIONS

Transportation and Construction Fleet
General Plant Division

	1940-41	1941-42	1942-43	1943-44	1944-45	1945-46	1946-47	1947-48
Crankcases drained and filled	12,844	10,478	4,054	3,502	5,204	6,124	5,645	6,700
Transmissions & differentials drained	5,116	2,188	1,129	1,742	1,737	1,666	2,043	2,247
Units greased	23,873	20,298	14,255	12,809	14,063	14,413	17,821	21,487
Units washed	19,001	15,445	9,429	9,231	9,121	10,512	15,931	18,994
Units polished	3,382	2,752	1,826	1,825	1,981	2,916	3,799	4,824
Batteries fabricated	900	-	553	559	634	902	612	894
Batteries serviced	15,126	14,207	12,236	8,392	7,736	11,618	8,781	12,402
Batteries repaired	-	1,123	1,306	886	687	687	1,096	1,539
Batteries changed	-	-	-	-	-	4,374	4,879	5,709
Tires changed	13,981	8,595	6,979	6,038	6,169	7,672	7,340	9,158
Tires repaired	10,634	1,920	2,712	1,531	3,112	2,705	2,197	2,119
Tires recapped	-	-	-	-	-	-	-	1,043
Tubes repaired	-	6,556	5,370	4,163	4,619	4,619	5,015	5,753
Engines overhauled	129	282	176	121	166	219	208	219
Differentials & transmissions overhauled	374	178	149	146	138	227	358	381
Brake jobs	528	416	883	714	746	1,139	909	1,406
Upholstery jobs	2,232	1,527	1,349	1,252	1,289	1,219	1,322	1,418
Electric & carburator jobs	5,485	4,704	2,904	3,033	2,995	2,982	3,704	5,020
Engines tuned and analyzed	406	574	349	235	269	317	688	1,873
Front end alighnments	-	-	192	176	113	86	187	408
Clutches overhauled	-	-	151	122	204	262	399	426
Valve grind jobs	-	-	-	84	60	19	55	71
Construction equipment units overhauled	70	36	17	9	19	27	-	-
Miscl. engine overhauls	-	-	-	-	-	-	26	-

POWER EXECUTIVE DIVISION
Rate Engineering Section
AEW:AZ 3-28-49

TABLE "B"

SALES OF ELECTRIC ENERGY

POWER SYSTEM
Department of Water and Power
City of Los Angeles

LOS ANGELES CITY AREA	AMOUNT - FOR YEAR ENDING JUNE 30							
	1941	1942	1943	1944	1945	1946	1947	1948
RESIDENTIAL								
Customers	417,373	436,563	448,162	440,957	466,761	472,913	480,389	498,462
Kilowatt-hours	411,414,215	433,298,232	445,836,518	484,960,835	555,009,821	624,785,374	694,229,836	747,732,833
Revenue	$11,591,150	$12,129,327	$12,429,797	$12,552,525	$14,025,959	$15,281,685	$16,230,878	$16,937,339
COMMERCIAL AND INDUSTRIAL								
Commercial (Incl. Governmental, Light:								
Customers	67,069	66,576	62,192	64,613	68,630	71,225	76,806	81,492
Kilowatt-hours	530,317,328	545,847,936	533,925,897	630,201,418	750,004,682	791,122,531	889,669,093	980,504,824
Revenue	$11,120,298	$11,169,686	$10,303,829	$10,892,174	$12,793,648	$13,979,285	$15,421,642	$16,467,380
Power:								
Customers	23,569	21,407	19,199	18,869	19,251	19,740	20,817	21,996
Kilowatt-hours	296,915,475	290,402,176	232,614,934	234,718,979	235,964,723	252,289,487	274,130,321	313,448,089
Revenue	$4,381,747	$4,040,247	$3,439,154	$3,240,756	$3,257,005	$3,431,540	$3,711,287	$4,128,515
Combination and Standby:								
Customers	2,026	2,259	1,466	1,375	1,744	2,035	1,296	1,289
Kilowatt-hours	10,537,873	11,694,943	10,587,872	7,619,258	4,921,131	5,808,754	7,511,812	6,362,076
Revenue	$175,353	$194,712	$149,906	$125,408	$112,274	$121,631	$131,201	$133,664
Commercial (TOTAL)								
Customers	92,664	90,242	82,857	84,857	89,625	93,000	98,919	104,777
Kilowatt-hours	837,770,676	847,945,055	777,128,703	872,542,655	990,890,536	1,049,220,752	1,171,311,256	1,300,314,989
Revenue	$15,677,398	$15,394,345	$13,892,889	$14,258,338	$16,162,927	$17,532,456	$19,264,130	$20,729,559
Industrial								
Customers	2,196	4,171	5,235	5,842	6,445	6,934	7,642	7,843
Kilowatt-hours	287,085,420	372,956,391	1,101,875,152	1,754,793,735	1,105,013,242	775,708,158	748,442,471	757,835,825
Revenue	$2,545,185	$3,495,904	$8,418,383	$10,451,072	$9,176,657	$6,135,073	$6,138,799	$6,305,108
Commercial & Industrial (TOTAL)								
Customers	94,860	94,413	88,092	90,699	96,070	99,934	106,561	112,620
Kilowatt-hours	1,124,856,096	1,220,901,446	1,879,003,855	2,627,336,390	2,095,903,778	1,824,928,910	1,919,753,727	2,058,150,814
Revenue	$13,222,583	$18,890,249	$22,311,272	$24,709,410	$25,339,585	$23,667,529	$25,402,929	$27,034,667
PUBLIC STREET & HIGHWAY LIGHTING								
Kilowatt-hours	63,484,608	64,326,145	64,269,822	65,212,289	66,269,838	68,730,106	70,210,406	71,857,917
Revenue	$1,795,911	$1,810,547	$1,660,031	$1,660,632	$1,680,770	$1,710,106	$1,733,598	$1,753,887
WATER SYSTEM (Departmental Use)								
Kilowatt-hours	17,122,158	16,523,979	17,897,034	20,545,197	23,155,598	29,439,772	35,368,072	35,346,633
Revenue	$134,611	$143,633	$170,220	$181,515	$194,518	$237,679	$270,179	$276,610
TOTAL SALES (Los Angeles City Area) (Exclusive of Sales to Other Elec.Util.)								
Customers	513,290	532,046	537,296	532,712	563,933	573,979	588,131	612,338
Kilowatt-hours	1,616,948,654	1,735,049,802	2,407,007,229	3,198,054,711	2,740,339,035	2,547,884,152	2,719,562,041	2,913,088,197
Revenue	$31,745,529	$32,973,756	$36,571,320	$39,104,082	$41,240,931	$40,896,999	$43,637,684	$46,002,503
OWENS VALLEY AREA								
TOTAL SALES (Exclusive of Sales to Other Elec.Util.)								
Customers	* 458	1,502	1,586	1,600	1,635	1,747	1,967	2,215
Kilowatt-hours	1,270,135	8,861,833	11,922,926	14,300,194	14,452,529	13,308,083	16,583,775	23,241,014
Revenue	$35,126	165,719	$215,568	$241,990	$245,939	$225,306	$255,736	$316,629
ENTIRE ELECTRIC SYSTEM								
TOTAL SALES (Exclusive of Sales to Other Elec.Util.)								
Customers	* 513,752	533,548	538,882	534,312	565,568	575,726	590,098	614,553
Kilowatt-hours	1,618,218,789	1,743,911,635	2,418,930,155	3,212,354,905	2,754,791,564	2,561,192,245	2,736,145,816	2,936,329,211
Revenue	$31,780,655	$33,139,475	$36,786,888	$39,346,072	$41,486,870	$41,122,305	$43,893,420	$46,319,132
TOTAL SALES (Inclusive of Sales to Other Elec.Util.)								
Kilowatt-hours	* 1,804,496,194	2,038,306,216	2,771,389,007	3,265,401,299	2,951,604,246	2,693,882,448	3,059,311,051	3,435,168,919
Revenue	$32,290,284	$33,762,116	$37,399,385	$39,638,916	$42,050,365	$41,677,232	$45,336,646	$49,930,244

NOTES: Billing of only half of the residential customers in July 1943 as a prelude to bi-monthly billing in August 1943, effected a mathematical loss of nearly 20,000 customers in the average accounts for the fiscal year 1943-1944.

The Owens Valley Light and Power System was acquired by the Power Department from the Water Department on July 1, 1941.

* The Service Areas at Bishop and Big Pine were acquired from the Nevada-California Electric Corporation Nov. 8, 1940; consequently, the amounts shown under Owens Valley Area are for the 8 months' period November 1940 to June 1941, inclusive.

TABLE "C"

ENERGY USE AND REVENUE PER CUSTOMER
(Based on Average Active Accounts)
and
AVERAGE RATE PER KILOWATT-HOUR

POWER SYSTEM
Department of Water and Power
City of Los Angeles

LOS ANGELES CITY AREA	AVERAGE MONTHLY AMOUNT - FOR YEAR ENDING JUNE 30							
	1941	1942	1943	1944	1945	1946	1947	1948
RESIDENTIAL								
Kwh per Customer	82.1	82.7	82.9	91.6	99.1	110.1	120.4	125.0
Monthly Bill per Customer	$2.31	$2.32	$2.31	$2.37	$2.50	$2.69	$2.82	$2.83
Average Rate per Kwh	2.82¢	2.80¢	2.79¢	2.59¢	2.53¢	2.45¢	2.34¢	2.27¢
COMMERCIAL AND INDUSTRIAL								
Commercial (Includes Governmental)								
Light:								
Kwh per Customer	658.9	683.1	715.4	812.8	910.7	925.6	965.3	1,002.7
Revenue per Customer	$13.82	$13.98	$13.81	$14.05	$15.53	$16.36	$16.73	$16.84
Average Rate per Kwh	2.10¢	2.05¢	1.93¢	1.73¢	1.71¢	1.77¢	1.73¢	1.68¢
Power:								
Kwh per Customer	1,049.8	1,130.5	1,009.7	1,036.6	1,021.4	1,065.1	1,097.4	1,187.5
Revenue per Customer	$15.49	$15.73	$14.93	$14.31	$14.10	$14.49	$14.86	$15.64
Average Rate per Kwh	1.48¢	1.39¢	1.48¢	1.38¢	1.38¢	1.36¢	1.35¢	1.32¢
Combination and Standby:								
Kwh per Customer	433.4	431.4	601.9	461.8	235.1	237.9	483.0	411.3
Revenue per Customer	$7.21	$6.80	$8.52	$7.60	$5.37	$4.98	$8.44	$8.64
Average Rate per Kwh	1.66¢	1.58¢	1.42¢	1.65¢	2.28¢	2.09¢	1.75¢	2.10¢
Commercial (TOTAL)								
Kwh per Customer	753.4	783.0	781.6	856.9	921.3	940.2	986.8	1,034.2
Revenue per Customer	$14.10	$14.22	$13.97	$14.00	$15.03	$15.71	$16.23	$16.49
Average Rate per Kwh	1.87¢	1.82¢	1.79¢	1.63¢	1.63¢	1.67¢	1.65¢	1.60¢
Industrial								
Kwh per Customer	10,894.3	*7,451.4	*17,540.2	*25,031.3	*14,287.7	9,322.5	8,161.5	8,052.1
Revenue per Customer	$96.58	$69.85	$134.01	$149.08	$118.65	$73.73	$66.94	$66.99
Average Rate per Kwh	0.89¢	0.94¢	0.76¢	0.60¢	0.83¢	0.79¢	0.82¢	0.83¢
Commercial and Industrial (TOTAL)								
Kwh per Customer	988.2	*1,077.6	*1,777.5	*2,414.0	*1,818.0	1,521.8	1,501.3	1,522.9
Revenue per Customer	$16.01	$16.67	$21.11	$22.70	$21.98	$19.74	$19.87	$20.00
Average Rate per Kwh	1.62¢	1.55¢	1.19¢	0.94¢	1.21¢	1.30¢	1.32¢	1.31¢
TOTAL SALES (Los Angeles City Area) (Exclusive of Sales to Other Elec.Util.)								
Kwh per Customer	262.5	*271.8	*373.3	*500.3	*404.9	369.9	385.3	396.4
Revenue per Customer	$5.15	$5.17	$5.67	$6.12	$6.09	$5.94	$6.18	$6.26
Average Rate per Kwh	1.96¢	1.90¢	1.52¢	1.23¢	1.51¢	1.61¢	1.61¢	1.58¢

* Amounts for the period ending June 30, 1945 largely influenced by variation of consumption in electro-chemical and war industries

TABLE "D"

POWER SERVICES AND LOAD

Los Angeles City Area

	1941	1942	1943	1943	1944	1944	1945
Services) as of	26,297	25,648	24,876	-	25,824	-	26,876
Installed Load-Hp) June 30	663,438.81	741,848.67	1,031,080.98	-	1,118,898.38	-	939,014.11*
Services) as of	-	-	-	25,380	-	26,300	-
Installed Load-Hp) Dec. 31	-	-	-	1,082,860.91	-	928,362.73*	-

SUMMARY BY BUSINESS OR USE CLASSIFICATION
YEAR ENDING

Item	June 30, 1941		June 30, 1942		June 30, 1943		Dec. 31, 1943		June 30, 1944		Dec. 31, 1944	
	Active Service Number	Installed Load H.P.	Active Service Number	Installed Load H.P.	Active Service Number	Installed Load H.P.	Active Service Number	Installed Load H.P.	Active Service Number	Installed Load H.P.	Active Service Number	Installed Load H.P.
Agriculture and Irrigation	190	5,311.03	170	4,640.77	178	4,674.75	179	4,689.97			166	4,587.08
Amusements and Recreation (Includes Motion Picture Production, Radio Broadcasting, etc.)	407	48,125.94	[illegible]	[illegible]	420	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]
Automotive	3,634	19,292.28	3,278	18,181.99	2,941	17,312.00	3,037	17,411.81			3,129	17,477.66
Building and Housing Materials, Appliances and Construction	530	32,367.24	494	34,081.31	452	33,497.20	462	32,852.61			474	34,198.08
Building (Apartments, Churches, Hotels, Office and Loft Buildings, Hospitals, Public Buildings, Schools, Stores, etc.)	7,633	147,495.83	7,615	151,345.28	7,588	151,305.18	7,580	150,881.81			7,570	154,271.72
Cleaning and Dyeing and Laundries	569	14,[illegible].1	555	15,056.67	535	14,902.14	551	14,[illegible]			[illegible]	15,[illegible]
Electro-Chemical	81	4,340.61	81	5,536.36	75	233,751.79	77	235,[illegible].61			56	13,543.12
Food Products (Dairies, Bakeries, Creameries, Canneries & Packing Houses, Markets, Ice Manufacturing, etc.)	6,583	101,173.60	6,193	103,560.10	5,672	103,535.86	5,697	105,793.60			5,886	108,923.07
Miscellaneous	)2,514	142,218.30	(1,366	53,[illegible].59	1,857	50,302.65	1,[illegible]74	51,0[illegible].76			1,[illegible]7[illegible]	65,62[illegible].25
Manufacturing and Processing (Includes Major Aircraft, Petroleum, Rubber, Shipbuilding, Tires, etc.)	)		(715	14[illegible],530.[illegible]5	712	131,113.33	730	219,[illegible]81.21			772	237,252.33
Metal Working	1,462	7[illegible],375.84	1,539	85,213.31	1,[illegible]13	116,[illegible]69.11	2,085	133,[illegible]26.3[illegible]			2,[illegible]3	19[illegible],[illegible]25.32
Plastics	7	172.48	36	1,745.59	64	2,642.88	79	2,971.92			132	4,529.32
Printing	646	14,425.73	633	14,603.00	593	14,347.56	596	14,505.20			605	14,677.33
Residential Miscellaneous (Excludes Major Appliances - see Table "E")	135	791.56	128	731.80	126	722.07	129	729.07			123	700.47
Textile Mills	53	1,402.02	68	1,637.52	73	1,749.41	76	1,778.96			82	1,891.55
Transportation (Docks, Stations, Terminals, and Freight Yards)	87	15,198.78	81	10,633.71	80	6,334.99	86	6,939.68			[illegible]2	6,[illegible].[illegible]
Wearing Apparel (Includes Shoe Mfg.)	1,0[illegible]7	6,005.34	1,052	5,[illegible]1.72	1,016	5,[illegible]1.18	1,03[illegible]	5,[illegible]4.[illegible]			1,1[illegible]	[illegible].[illegible]3
Woodworking (Includes Lumber Yards & Mills)	704	36,193.42	674	36,154.84	639	33,160.34	662	35,[illegible]56.70			707	37,[illegible]30.52
Temporary Power Installations	38	-	37	-	42	-	42	-			8	-
TOTAL	26,297	663,438.81	25,648	741,848.67	24,876	1,031,080.98	25,380	1,082,860.91			26,300	928,362.73*

After June 30, 1943 Detailed information Ava'lable only by Calendar Years

* Reflecting loss of 223,382 Hp in Aluminum Production Load served under special contract terminated Nov. 30, 1944.

The establishment of new code groups in fiscal year 1942 made it necessary to transfer certain groups, notably, Shipyards was transferred from Transportation to Manufacturing.

TABLE "D" - Cont'd

POWER SERVICES AND LOAD

Los Angeles City Area

	1945	1946	1946	1947	1947	1948
Services) as of	-	28,242	-	30,239	-	31,572
Installed Load-Hp) June 30	-	929,537.54	-	1,020,154.51	-	1,126,503.79
Services) as of	27,371	-	29,320	-	31,048	-
Installed Load-Hp) Dec. 31	911,278.78	-	956,127.56	-	1,071,474.16	-

SUMMARY BY BUSINESS OR USE CLASSIFICATION
YEAR ENDING

Item	Dec. 31, 1945 Active Service Number	Dec. 31, 1945 Installed Load H.P.	Dec. 31, 1946 Active Service Number	Dec. 31, 1946 Installed Load H.P.	Dec. 31, 1947 Active Service Number	Dec. 31, 1947 Installed Load H.P.
Agriculture and Irrigation	167	4,382.49	172	4,519.89	165	4,327.18
Amusements and Recreation (Includes Motion Picture Production, Radio Broadcasting, etc.)	443	51,907.85	459	54,728.28	473	58,879.46
Automotive	3,271	20,263.60	3,460	22,712.73	3,550	32,013.38
Building and Housing Materials, Appliances and Construction	525	37,217.85	669	44,311.90	752	66,479.87
Building (Apartments, Churches, Hotels, Office and Loft Buildings, Hospitals, Public Buildings, Schools, Stores, etc.)	7,607	155,778.20	7,630	159,518.78	7,697	168,861.26
Cleaning and Dyeing and Laundries	591	15,420.26	681	16,558.66	921	17,849.57
Electro-Chemical	108	16,742.37	129	13,248.24	134	13,924.35
Food Products (Dairies, Bakeries, Creameries, Canneries & Packing Houses, Markets, Ice Manufacturing, etc.)	6,078	114,351.14	6,630	120,812.60	7,221	132,819.75
Miscellaneous	2,097	56,901.22	2,204	59,969.92	2,410	66,826.70
Manufacturing and Processing (Includes Major Aircraft, Petroleum, Rubber, Shipbuilding, Tires, etc.)	314	205,710.34	850	187,789.93	901	213,611.95
Metal Working	2,581	152,076.16	2,758	177,441.09	2,863	186,032.42
Plastics	148	5,884.97	131	9,289.10	168	10,445.46
Printing	617	17,244.72	693	19,001.27	742	22,939.73
Residential Miscellaneous (Excludes Major Appliances - see Table "E")	120	686.75	122	672.25	125	701.30
Textile Mills	99	2,062.72	129	2,411.69	149	2,901.48
Transportation (Docks, Stations, Terminals, and Freight Yards)	94	7,117.55	110	7,073.90	130	6,646.48
Wearing Apparel (Includes Shoe Mfg.)	1,214	6,844.11	1,495	9,344.23	1,607	11,484.53
Woodworking (Includes Lumber Yards & Mills)	791	40,686.48	948	46,723.10	1,040	54,729.29
Temporary Power Installations	6	-	-	-	-	-
TOTAL	27,371	911,278.78	29,320	956,127.56	31,048	1,071,474.16

TABLE "E"

RESIDENTIAL MAJOR APPLIANCE SERVICES
AND CONNECTED LOAD

FISCAL YEAR COMPARISON
AS OF JUNE 30

	1941	1942	1943	1943	1944	1945	1946	1947	1948
Services	29,041	31,797	32,568	-	32,927	33,416	34,722	39,103	45,974
Total Kilowatts	309,864.35	344,824.64	350,064.03	-	352,625.40	356,052.95	368,063.40	417,291.46	501,322.45
Range Units	21,764	27,309	27,487	-	27,750	27,973	28,888	32,598	38,515
Water Heater Units	10,478	11,520	12,228	-	12,298	12,612	13,278	15,108	17,931

SUMMARY BY USE CLASSIFICATION

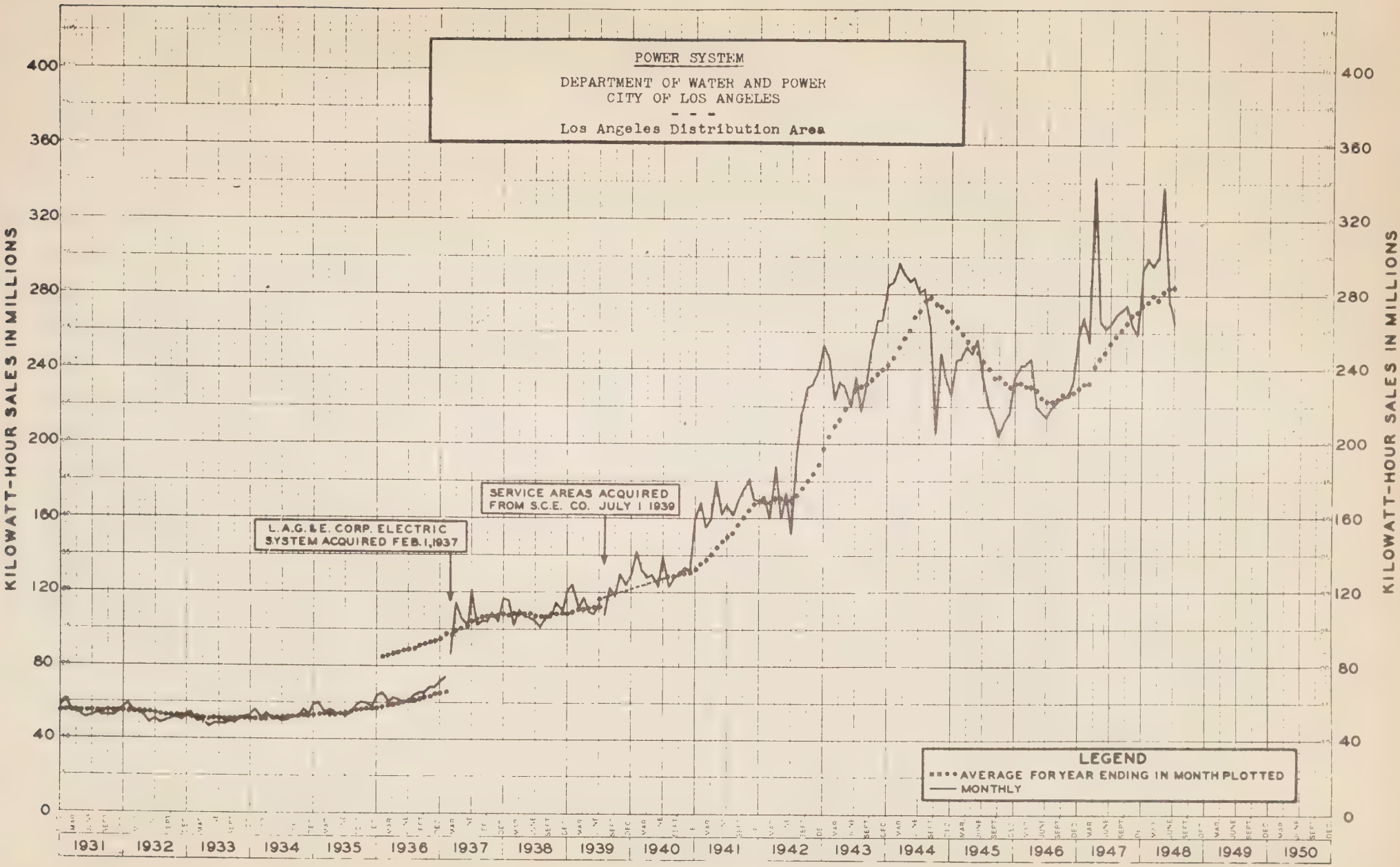
	June 30, 1941		June 30, 1942		June 30, 1943		Dec. 31, 1943		Dec. 31, 1944		Dec. 31, 1945		Dec. 31, 1946		Dec. 31, 1947	
	Number	Kw	Number	Kw	Number	Kw	Number	Kw	Number	Kw	Number	Kw	Number	Kw	Number	Kw
Ranges	21,764	252,623.56	27,309	281,283.79	27,487	283,500.93	27,859	287,102.43	27,782	286,388.17	28,292	291,710.14	30,228	312,552.31	35,495	371,721.37
Water Heaters	10,478	34,337.37	11,520	38,135.22	12,228	40,602.28	12,263	40,923.83	12,311	41,311.18	12,774	42,495.08	13,303	46,347.60	16,277	54,716.82
*Space Heaters	11,541	22,353.42	13,485	25,040.63	14,105	25,760.82	14,097	25,711.69	14,063	25,633.49	13,973	25,541.00	14,456	26,399.60	16,719	30,304.94
Total Services	29,041	-	31,797	-	32,568	-	32,956	-	33,091	-	33,841	-	36,314	-	42,341	-
Total Load	-	309,864.35	-	344,824.64	-	350,064.03	-	353,738.95	-	353,332.84	-	359,746.22	-	385,299.51	-	456,743.13
Domestic Use Ranges on Commercial Meters (Not included in above)	612	4,517.73	616	4,530.97	619	4,618.95	621	4,636.55	621	4,636.55	621	4,636.55	623	4,657.49	615	4,587.37

* Space Heaters where served in connection with Major Appliances, or of capacity of 4 Kw or over.

The summary by Use Classification after June 30, 1943 is available only by Calendar Years.

TOTAL KILOWATT-HOUR SALES

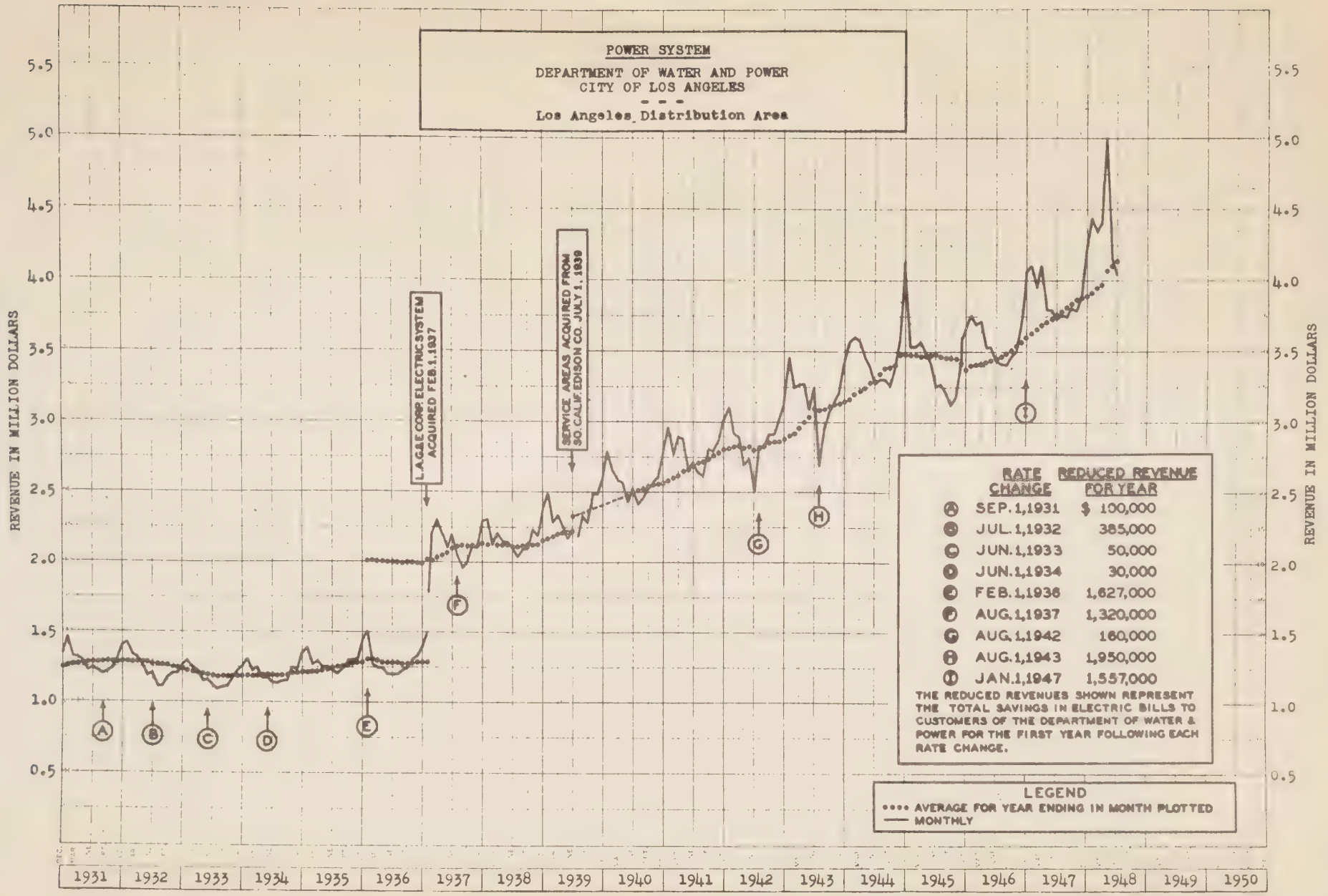
(INCL. SALES TO OTHER ELEC. UTILITIES)



POWER EXECUTIVE DIVISION
Rate Research Section

REVENUE FROM TOTAL KILOWATT-HOUR SALES

(INCL. SALES TO OTHER ELEC. UTILITIES)

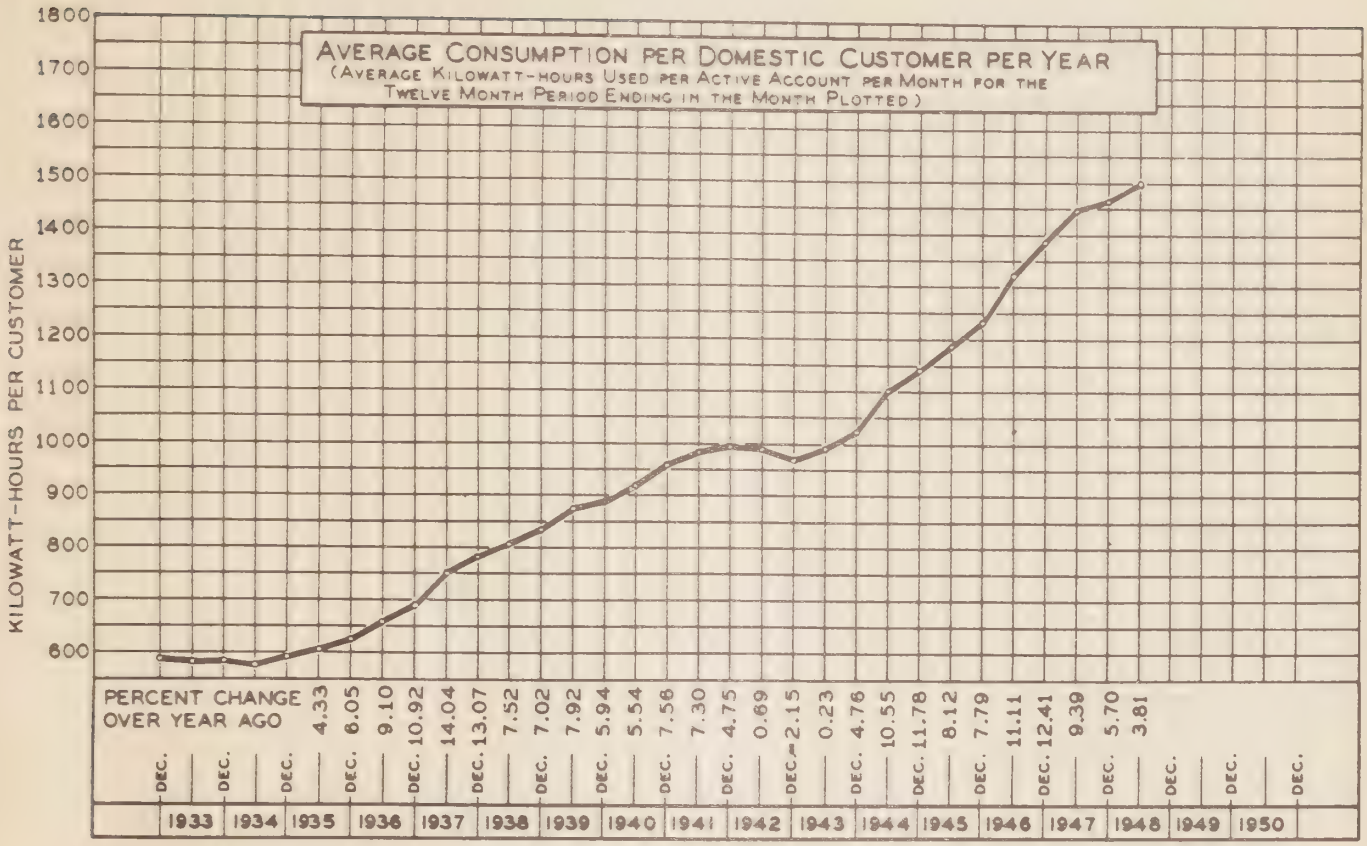


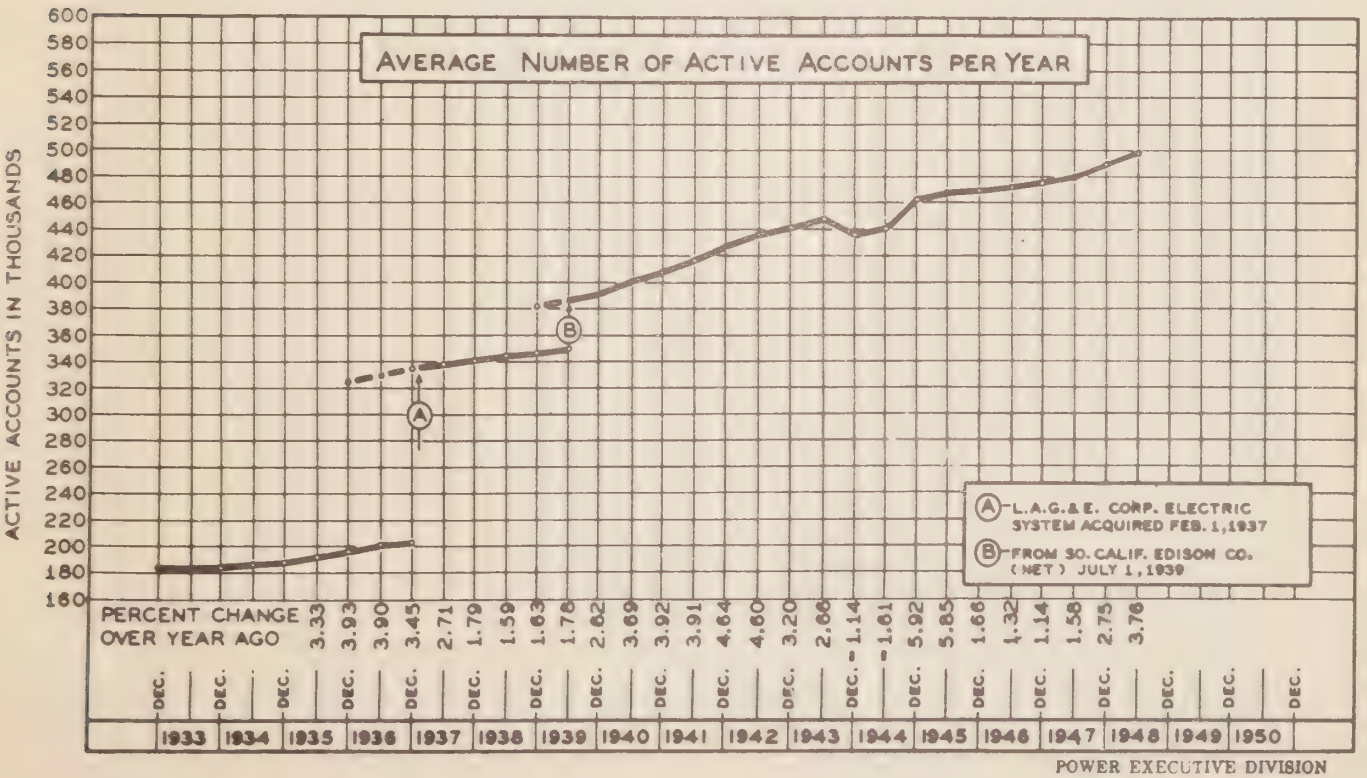
POWER EXECUTIVE DIVISION
Rate Engineering Section

DOMESTIC SERVICE

LOS ANGELES DISTRIBUTION AREA

DEPARTMENT OF WATER & POWER
POWER SYSTEM
CITY OF LOS ANGELES





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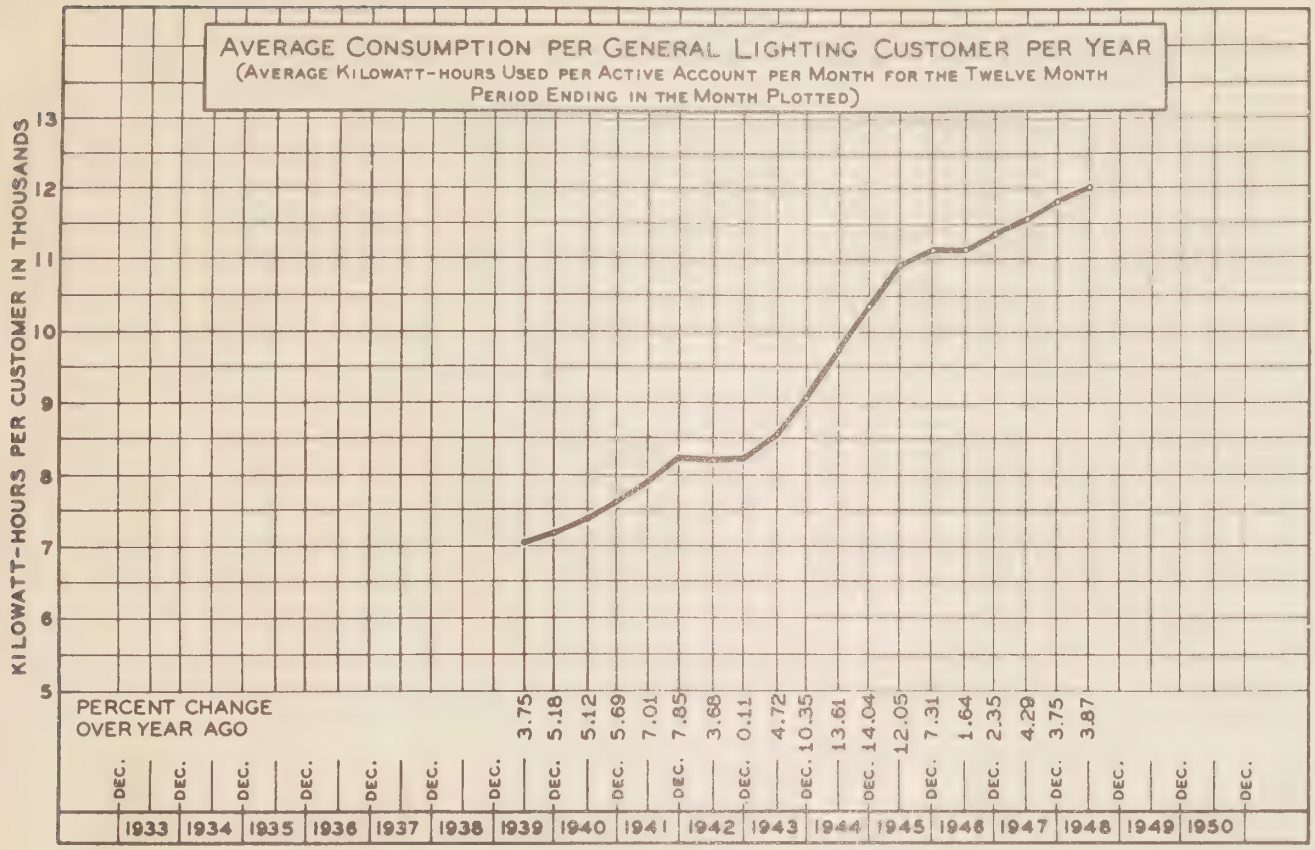
POWER EXECUTIVE DIVISION
Rate Engineering Section

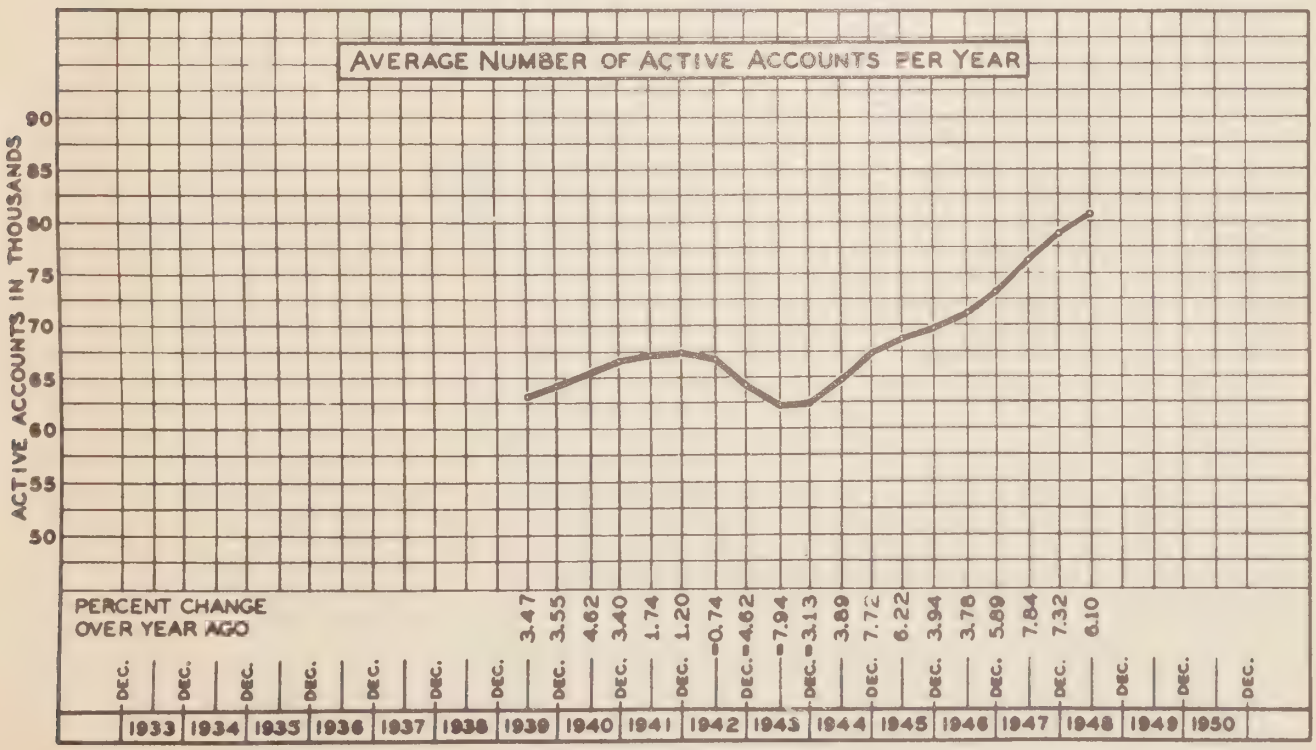
GENERAL LIGHTING SERVICE

(INCLUDES COMMERCIAL AND GOVERNMENTAL LIGHTING)

LOS ANGELES DISTRIBUTION AREA

DEPARTMENT OF WATER & POWER
POWER SYSTEM
CITY OF LOS ANGELES





POWER EXECUTIVE DIVISION
Rate Engineering Section

3-221a

DEPARTMENT OF WATER AND POWER
CITY OF LOS ANGELES
WATER SYSTEM
COMPARATIVE STATISTICS FOR THE EIGHT YEARS ENDING JUNE 30, 1948

	1941	1942	1943	1944	1945	1946	1947	1948
Gross revenue (including nonoperating)	$13,228,788	$13,188,742	$13,778,165	$14,407,601	$15,353,632	$16,486,833	$17,455,364	$18,320,503
Operating expenses and taxes	$4,727,422	$4,880,094	$4,806,924	$5,061,633(A)	$5,031,852	$6,280,099	$7,681,363	$8,671,668
Net operating income	$8,501,366	$8,308,648	$8,971,241	$9,345,968	$10,321,780	$10,206,734	$9,774,001	$9,648,835
Operating ratio (per cent)	35.7	37.0	34.9	35.1	32.8	38.1	44.0	47.3
Interest (except Santa Clara Valley damages bonds) charged to income	$2,601,909	$2,575,582	$2,461,364	$2,370,575	$2,131,955	$2,007,312	$1,885,617	$1,768,546
Per cent of gross	19.7	19.5	17.9	16.5	13.9	12.2	10.8	9.7
Depreciation	$2,668,723	$2,745,649	$2,796,355	$2,901,895	$2,875,151	$2,923,823	$3,029,614	$3,179,062
Per cent of gross	20.2	20.8	20.3	20.1	18.7	17.7	17.4	17.4
Taxes (included in operating expenses)	$273,600	$225,706	$179,631	$181,558	$181,731	$206,987	$273,530	$311,165
Per cent of gross	2.1	1.7	1.3	1.3	1.2	1.3	1.6	1.7
Maintenance (included in operating expenses)	$1,360,467	$1,122,909	$1,169,370	$1,313,100	$1,380,219	$1,872,499	$2,288,775	$2,691,114
Per cent of gross	10.3	8.5	8.5	9.1	9.0	11.4	13.1	14.7
Transfers to general fund of City of Los Angeles	$587,615	$1,174,734	$440,900	$1,000,000	$860,000	$1,860,000	$752,000	$807,000
Per cent of gross	4.4	8.9	3.2	6.9	5.6	11.3	4.3	4.4
Water derived from (second feet):								
Los Angeles Aqueduct source	263.9	310.7	325.7	354.8	368.0	369.2	374.4	395.8
Los Angeles River and local wells	75.5	53.2	71.8	84.0	89.6	122.2	124.1	115.6
Metropolitan Water District	-	0.4	0.7	0.2	0.4	6.1	10.2	17.2
Total water supply - all sources	339.4	364.3	398.2	439.0	458.0	497.5	508.7	528.6
Per cent L.A. Aqueduct source	77.8	85.3	81.8	80.8	80.3	74.2	73.6	74.9
Per cent L.A. River and local wells	22.2	14.6	18.0	19.1	19.6	24.6	24.4	21.9
Per cent Metropolitan Water District	-	0.1	0.2	0.1	0.1	1.2	2.0	3.2
Number of meters (total active and inactive in system) exclusive of irrigation	305,789	312,927	316,242	318,235	321,648	327,926	339,193	362,073
Total assets	$184,077,342	$184,664,840	$188,451,738	$189,860,780(B)	$194,697,478	$199,835,080	$205,776,637	$210,988,686
Plant and property	$177,012,676	$175,380,660	$176,306,189	$177,233,882	$179,234,372	$182,449,458	$187,254,460	$194,572,889
Depreciation reserve	$33,989,430	$35,786,097	$38,407,483	$41,027,296	$43,782,904	$46,593,021	$49,339,840	$52,173,394
Per cent of plant and property	19.2	20.4	21.8	23.1	24.4	25.5	26.3	26.8
Bonds and long-term notes	$65,364,899	$62,352,249	$59,478,349	$54,339,150(B)	$51,181,250	$48,121,150	$45,135,750	$42,119,350
Equity of City of Los Angeles	$81,665,143	$84,479,444	$88,472,664	$92,347,294	$97,577,538	$102,563,897	$108,194,046	$113,485,449
Contributions in aid of construction (included in equity of City of Los Angeles)	$28,313,528	$29,018,442	$29,439,499	$29,935,770	$30,416,876	$31,687,472	$32,918,307	$34,278,569
Investment from proceeds of general taxation (included in equity of City of Los Angeles)	$18,284,775	$17,512,575	$17,463,053	$16,845,758	$16,344,072	$14,834,093	$14,410,501	$13,662,629
Surplus (included in equity of City of Los Angeles)	$35,066,840	$37,948,427	$41,570,112	$45,565,766	$50,816,590	$56,042,332	$60,865,238	$65,544,251

Notes: (A) Includes $187,372.81 paid to Natural Soda Products Co. in settlement of judgment for damages to company's property in Owens Valley.
(B) Does not include $134,363 bonds called for redemption (including call premium of $5,363), for which funds were on deposit with the City Treasurer.

DEPARTMENT OF WATER AND POWER
CITY OF LOS ANGELES

POWER SYSTEM
COMPARATIVE STATISTICS FOR THE EIGHT YEARS ENDING JUNE 30, 1948

	1941	1942	1943	1944	1945	1946	1947	1948
Gross revenue	$ 32,524,165	$ 34,047,109	$ 37,664,169	$ 39,999,806	$ 42,496,697	$ 42,364,950	$ 46,059,152	$ 50,959,350
Operating expenses and taxes	$ 13,513,779	$ 13,884,577	$ 14,759,182	$ 16,311,984	$ 16,327,571	$ 18,140,213	$ 23,063,841	$ 27,322,840
Net operating income	$ 19,010,386	$ 20,162,532	$ 22,904,987	$ 23,687,822	$ 26,169,126	$ 24,224,737	$ 22,995,311	$ 23,636,510
Operating ratio (per cent)	41.6	40.8	39.2	40.8	38.4	42.8	50.1	53.6
Interest cost (charged to income)	$ 4,566,960	$ 4,344,553	$ 4,209,792	$ 4,242,573	$ 3,699,090	$ 3,334,140	$ 3,016,252	$ 2,803,218
Per cent of gross	14.0	12.8	11.2	10.6	8.7	7.9	6.5	5.5
Depreciation (see notes)	$ 6,922,900	$ 7,207,279	$ 7,398,531	$ 7,973,031	$ 8,204,523	$ 5,786,032	$ 6,115,233	$ 6,541,899
Per cent of gross	21.3	21.2	19.6	19.9	19.3	13.7	13.3	12.8
Taxes (included in operating expenses)	$ 122,073	$ 168,091	$ 172,094	$ 161,254	$ 178,765	$ 189,262	$ 212,350	$ 218,630
Per cent of gross	.4	.5	.5	.4	.4	.4	.5	.4
Maintenance (included in operating expenses)	$ 1,870,766	$ 1,839,790	$ 2,106,312	$ 2,067,324	$ 2,394,438	$ 2,426,988	$ 3,363,822	$ 4,160,602
Per cent of gross	5.8	5.4	5.6	5.2	5.6	5.7	7.3	8.2
Transfers to general and reserve funds of City of Los Angeles	$ 1,361,495	$ 1,439,000	$ 2,060,000	$ 2,150,000	$ 2,400,000	$ 2,400,000	$ 2,116,000	$ 2,098,000
Per cent of gross	4.2	4.2	5.5	5.4	5.6	5.7	4.6	4.1
Hydro capacity (h.p.) (includes Hoover Power Plant; assigned to Department)	648,441	694,940	701,780	701,780	701,780	701,780	701,780	713,410
Steam capacity (h.p.) (includes leased plants; excludes station use)	274,905	274,905	362,070	362,070	362,070	362,070	362,070	352,680
Output (net) thousands of kwh:								
Hydro (includes Hoover Power Plant)	2,059,571	2,356,145	3,106,171	3,016,722	3,256,783	2,926,593	2,483,643	3,229,423
Steam	38,721	42,042	61,178	639,990	116,862	179,018	870,744	722,096
Purchased power and exchange	93,488	44,766	29,747	91,346	36,723	34,377	50,951	96,691
Total	2,191,780	2,442,953	3,197,096	3,748,058	3,410,368	3,139,988	3,405,338	4,048,210
Per cent hydro output	94.0	96.5	97.2	80.5	95.5	93.2	72.9	79.8
Per cent steam output	1.8	1.7	1.9	17.1	3.4	5.7	25.6	17.8
Per cent purchased power	4.2	1.8	.9	2.4	1.1	1.1	1.5	2.4
Number of electric meters (total active and inactive in system)	576,755	591,914	592,725	598,128	600,867	618,646	633,303	660,521
Total assets (see notes)	$242,578,733	$250,613,693	$260,664,012	$268,554,472	$282,240,504	$297,619,391	$310,918,496	$325,905,120
Plant and property (see notes)	$210,267,938	$221,749,030	$228,040,726	$227,366,610	$227,878,909	$233,816,726	$246,341,417	$273,852,747
Total depreciation reserve	$ 36,708,038	$ 40,941,727	$ 44,697,855	$ 49,379,053	$ 54,361,707	$ 59,063,081	$ 64,182,340	$ 69,022,227
Per cent of plant and property	17.5	18.5	19.6	21.7	23.9	25.3	26.1	25.2
Bonds and long-term notes (see notes)	$124,417,904	$120,768,893	$117,966,145	$112,173,691	$108,533,245	$105,332,793	$100,878,762	$ 96,195,617
Surplus	$ 73,017,526	$ 80,189,225	$ 89,425,889	$ 99,000,668	$111,101,959	$124,042,302	$136,025,907	$148,455,079

Notes: For the purposes of these statistics, adjustments have been made, 1938 to 1943 inclusive, to reflect additional depreciation and amortization of plant acquisition and voltage and frequency standardization costs originally provided for on a twenty year basis, but, by action of the Board of Water and Power Commissioners, changed to a basis which has completely amortized such costs by June 30, 1945.

There has been eliminated from "Total Assets" and "Bonds and long-term notes" bonds called for redemption, funds for payment of which were on deposit with the City Treasurer or in bank.

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